

agact 60 65 371

<210> 808
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> 98..430

<400> 808
 cgacaggagc cctcaagctg atctggtcgg gaccggatac attattaacc ccagtgcagt 60
 aggggtcccca ggggcaacct gccccacagc gcccaag atg cct agc aga act gcc 115
 Met Pro Ser Arg Thr Ala
 1 5
 cgc tat gcc cgc tac agc cca cgg cag cgg cgg cgg cgg atg ctg gct 163
 Arg Tyr Ala Arg Tyr Ser Pro Arg Gln Arg Arg Arg Arg Met Leu Ala
 10 15 20
 gat cgc agc gtg cgt ttc cct aat gat gtc ctg ttc ttg gac cac atc 211
 Asp Arg Ser Val Arg Phe Pro Asn Asp Val Leu Phe Leu Asp His Ile
 25 30 35
 cgg cag ggt gac ctg gag cag gtg ggg cgc ttc atc cgg act cgg aaa 259
 Arg Gln Gly Asp Leu Glu Gln Val Gly Arg Phe Ile Arg Thr Arg Lys
 40 45 50
 gtc tcc ctg gcc acc atc cac ccc tca ggc ctg gcc gcc ttg cat gaa 307
 Val Ser Leu Ala Thr Ile His Pro Ser Gly Leu Ala Ala Leu His Glu
 55 60 65 70
 gcc gtg ctc tct gga aac ctg gaa tgc gtg aag ctg ctg gtc aaa tac 355
 Ala Val Leu Ser Gly Asn Leu Glu Cys Val Lys Leu Leu Val Lys Tyr
 75 80 85
 ggg gct gac att cac cag cga gat gag gcg ggc tgg aca ccc ctg cac 403
 Gly Ala Asp Ile His Gln Arg Asp Glu Ala Gly Trp Thr Pro Leu His
 90 95 100
 att gcc tgc agc gat ggg tac ctg aca tagcc 435
 Ile Ala Cys Ser Asp Gly Tyr Leu Thr
 105 110

<210> 809
 <211> 394
 <212> DNA
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<220>
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 <222> 149..247

<221> misc_feature
 <222> 375
 <223> n=a, g, c or t
 Oligonucleotide

<400> 809

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attcatttgg tgggcacttc ctgggtgcct gctctgggtc aggcctgtgg ggkggaccac      60
tgagggcagg aaacctggcc tgtccctcca ggaagcgaag tcaacactgg cacctgcaga      120
tgaagtggca gagcagcccc cagctttg atg gca tgg ggt ggt tgg ggg gca      172
                               Met Ala Trp Gly Gly Trp Gly Ala
                               1           5
cat tct gca tgc tca gaa gag aga gca act cgc cct gtg gaa gga gca      220
His Ser Ala Cys Ser Glu Glu Arg Ala Thr Arg Pro Val Glu Gly Ala
   10           15           20
tac agt ggg aga tgg gga cag gcc cag tgacgagcac catccggaag      267
Tyr Ser Gly Arg Trp Gly Gln Ala Gln
   25           30
tgaaggctga tgggtacgtg gacaacctcg cagagcagtg gacctgtgc tgcagcacgc      327
cgacaagtga tggcctcctg ggagagcccc gtcctccac cctgccnct cctccacctg      387
ccccctg      394

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<210> 810
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<212> DNA
<213> Homo sapiens

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<220>
<221> CDS
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<221> misc_feature
<222> 511,749..750,790..791,807
<223> n=a, g, c or t
      Oligonucleotide

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<400> 810
agacttggtt tgtgggacac acttggtttc agggaagggg aaagaggtca ccaagggcag      60
aggtgtccag gccggagcca ggggccccac tgttgggatg ctggctgcag tggggcgccc      120
caagcccagg tcccctctgt ctctcttttc gactttgcag ctgtacttgt tttgctctc      180
taccgcgagg agctgac atg gac cca aat cct cgg gcc gcc ctg gag cgc      230
                               Met Asp Pro Asn Pro Arg Ala Ala Leu Glu Arg
                               1           5           10
cag cag ctc cgc ctt cgg gag cgg caa aaa ttc ttc gag gac att tta      278
Gln Gln Leu Arg Leu Arg Glu Arg Gln Lys Phe Phe Glu Asp Ile Leu
   15           20           25
cag cca gag aca gag ttt gtc ttt cct ctg tcc cat ctg cat ctc gag      326
Gln Pro Glu Thr Glu Phe Val Phe Pro Leu Ser His Leu His Leu Glu
   30           35           40
tcg cag aga ccc ccc ata ggt agt atc tca tcc atg gaa gtg aat gtg      374
Ser Gln Arg Pro Pro Ile Gly Ser Ile Ser Ser Met Glu Val Asn Val
   45           50           55
gac aca ctg gag caa gta gaa ctt att gac ctt ggg gac ccg gat gca      422
Asp Thr Leu Glu Gln Val Glu Leu Ile Asp Leu Gly Asp Pro Asp Ala
   60           65           70           75
gca gat gtg ttc ttg cct tgc gaa gat cct cca cca acc ccc cag tcg      470
Ala Asp Val Phe Leu Pro Cys Glu Asp Pro Pro Pro Thr Pro Gln Ser
   80           85           90
tct ggg gtg gac aac cat ttg gag gag ctg agc ctg ccg gnt gcc tac      518
Ser Gly Val Asp Asn His Leu Glu Glu Leu Ser Leu Pro Xaa Ala Tyr
   95           100           105

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atc aga cag gac cac atc taggacctcc tcctcctcct cctccgactc 566
Ile Arg Gln Asp His Ile

110

ctccaccaac ctgcataggc caaatccaag tgatgatgga gcagatacgc ccttggcaca 626
gtcggatgaa gaggaggaaa ggggtgatgg aggggcagag cctggagcct gcagctagca 686
gtgggcccct gcctacagac tgaccacgct ggctattctc cacatgagac cackagccca 746
mknnagagcc tgtcgggaga agaccagact ctttacttgc agtnnracca gaggtgggaa 806
ngatggtggg attgtgtacc tttctaaga 835

<210> 811

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> 21..194

<221> misc_feature

<222> 373

<223> n=a, g, c or t
Oligonucleotide

<400> 811

aagtcacatg agccaccaaa atg gtg gtg ttc ggg tat gag gct ggg act aag 53
Met Val Val Phe Gly Tyr Glu Ala Gly Thr Lys
1 5 10

cca agg gat tca ggt gtg gtg ccg gtg gga act gag gaa gcg ccc aag 101
Pro Arg Asp Ser Gly Val Val Pro Val Gly Thr Glu Glu Ala Pro Lys
15 20 25

gac aca aaa tat ata tca aat ggc gac att tgg aac aac agc tgg ttt 149
Asp Thr Lys Tyr Ile Ser Asn Gly Asp Ile Trp Asn Asn Ser Trp Phe
30 35 40

ctc tgg aat att ctc aaa ctt cct gtt cag acg ctg ctt caa ggt 194
Leu Trp Asn Ile Leu Lys Leu Pro Val Gln Thr Leu Leu Gln Gly
45 50 55

taaacatgat gctttgaaga catatgcatac attggctaca cttccattttt tgtctactgt 254

tggtactgac aagctttttg taattgatgc tttgtattca gataatataa gcaaggaaaa 314

ctgtgttttc agaagctcac tgattggcat agtttgtggw gttttctatc ccagttctnt 374

ggcttttact a 385

<210> 812

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 812

Met Leu Leu Pro Leu Leu Leu Leu Pro Met Cys Trp Ala Val Glu
-10 -5 1

Val Lys Arg Pro Arg Gly Val Ser Leu Thr Asn His His Phe Tyr Asp

	5					10					15				
Glu	Ser	Lys	Pro	Phe	Thr	Cys	Leu	Asp	Gly	Ser	Ala	Thr	Ile	Pro	Phe
	20					25					30				
Asp	Gln	Val	Asn	Asp	Asp	Tyr	Cys	Asp	Cys	Lys	Asp	Gly	Ser	Asp	Glu
35					40					45					50
Pro	Gly	Thr	Ala	Ala	Cys	Pro	Asn	Gly	Ser	Phe	His	Cys	Thr	Asn	Thr
				55					60					65	
Gly	Tyr	Lys	Pro	Leu	Tyr	Ile	Pro	Ser	Asn						
			70					75							

<210> 813
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

Met	Arg	Leu	Ser	Leu	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Gly	Ala	Trp	Ala
	-15					-10						-5			
Ile	Pro	Gly	Gly	Leu	Gly	Asp	Arg	Ala	Pro	Leu	Thr	Ala	Thr	Ala	Pro
1				5					10					15	
Gln	Leu	Asp	Asp	Glu	Glu	Met	Tyr	Ser	Ala	His	Met	Pro	Ala	His	Leu
			20					25					30		
Arg	Cys	Asp	Ala	Cys	Arg	Ala	Val	Ala	Tyr	Gln	Val	Ser	Pro	Ser	Pro
		35				40						45			
Leu	Ser	Pro	Ala	Leu	Leu	Thr	Pro	Leu	Leu	Lys	Pro	Ala	Pro	Thr	Gly
	50					55					60				

<210> 814
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

Met	Asp	Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Trp
	-20						-15					-10			
Leu	Arg	Gly	Ala	Arg	Cys	Gly	Val	Gln	Met	Thr	Gln	Phe	Pro	Leu	Ser
	-5					1				5				10	
Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Thr	Ser
				15					20					25	
His	Ile	Ile	Asn	Ile	Phe	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys
			30					35					40		
Ala	Pro	Trp													
		45													

<210> 815
 <211> 50

<212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 815
 Met Ala Ala Ala Leu Trp Gly Phe Phe Pro Val Leu Leu Leu Leu Leu
 -20 -15 -10
 Leu Ser Gly Asp Val Gln Ser Ser Glu Val Pro Gly Ala Ala Ala Glu
 -5 1 5
 Gly Ser Gly Gly Ser Gly Val Gly Ile Gly Xaa Arg Phe Lys Ile Glu
 10 15 20 25
 Gly Leu

<210> 816
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 816
 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp
 -20 -15 -10
 Leu Xaa Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Val Leu
 -5 1 5 10
 Pro Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln
 15 20 25
 Ser Ile Gly Ser Tyr Leu Asn Trp Tyr Gln His Lys Pro Gly His Ala
 30 35 40
 Pro Arg Leu Leu Ile Tyr Ala Ala Thr Thr Leu Ser Arg Gly Gly Pro
 45 50 55
 Ala Arg Phe Ser
 60

<210> 817
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -32..-1

<400> 817
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 -30 -25 -20
 Ser Asp Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 -15 -10 -5
 Ala Gly Arg Arg Ser Pro Xaa Thr Pro Asp Glu Ser Thr Pro Pro Pro

1 5 10 15
 Arg Lys Lys Lys Lys Asp Ile Arg Asp Tyr Asn Asp Ala Asp Met Ala
 20 25 30
 Arg Leu Leu Glu Gln Gly Glu Gly
 35 40

<210> 818
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 818
 Met Glu Leu Gly Leu Cys Trp Val Leu Leu Leu Ala Leu Leu Glu Gly
 -15 -10 -5
 Val Gln Cys Asp Val Glu Leu Val Glu Ser Gly Gly Gly Leu Val Gln
 1 5 10
 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Phe
 15 20 25
 Ser Thr Tyr Glu Met His Trp Ile Arg Gln Ala Pro Gly Lys Gly Pro
 30 35 40 45
 Glu Trp Val Xaa Tyr Val Ser Gly Gly Gly Gly Thr Xaa Xaa Asn Ala
 50 55 60
 Xaa Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Asn Ser
 65 70 75
 Phe Val Tyr Leu Gln Met Asp Ser Leu Arg Val Glu Asp Thr Ala Leu
 80 85 90
 Tyr Tyr Cys Ala Arg Xaa Asp Tyr Asp Phe Trp Ser Gly Tyr Tyr
 95 100 105

<210> 819
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 819
 Met Ala Trp Thr Pro Leu Leu Leu Leu Leu Leu Ser His Cys Thr Gly
 -15 -10 -5
 Ser Leu Ser Gln Pro Val Leu Thr Gln Pro Arg Gly
 1 5

<210> 820
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -19..-1

<400> 820

Met Glu Phe Gly Leu Asn Trp Val Phe Leu Val Ala Leu Leu Arg Gly
 -15 -10 -5
Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
 1 5 10
Pro Gly Thr Ser Leu Thr Leu Ser Cys Ala Gly Ser Gly Phe Ser Phe
 15 20 25
Ser Asp Tyr Gly Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
30 35 40 45
Glu Trp Val Ala Val Ile Ser His Asp Gly Asn Asn Lys Tyr Tyr Gly
 50 55 60
Gly Ser Met Lys Gly Arg Val Thr Ile Ser Arg Asp Asn Ser Arg His
 65 70 75
Thr Val Ser Leu Gln Met Ser Ser Leu Gly Pro Glu Asp Thr Ala Val
 80 85 90
Tyr Tyr Cys Ala Lys Asp Arg Thr Gly Gly
 95 100

<210> 821
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 821

Met Lys Leu Leu Trp Phe Phe Leu Leu Leu Leu Ala Ala Pro Arg Trp
 -15 -10 -5
Val Leu Ser Gln Val Gln Leu Val Xaa Ser Gly Pro Gly Leu Val Lys
 1 5 10
Pro Ser Gly Thr Leu Ser Leu Thr Cys Thr Val Xaa Gly Xaa Xaa Ile
 15 20 25
Thr Asn Tyr Tyr Trp Ser Xaa Ile Arg Gln Ser Pro Gly Lys Gly Leu
30 35 40 45
Glu Trp Ile Gly Thr Ile Tyr Tyr Ser Gly Ser Ala Asp His Asn Pro
 50 55 60
Ser Leu Arg Ser Arg Ala Thr Ile Ser Leu Asp Thr Arg
 65 70

<210> 822
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 822

Met Ala Ser Leu Gly Leu Leu Leu Xaa Leu Leu Thr Ala Leu Pro
 -20 -15 -10 -5
 Pro Leu Trp Ser Ser Ser Leu Pro Gly Leu Asp Thr Ala Glu Ser Lys
 1 5 10
 Ala Thr Xaa Ala Asp Leu Ile Leu Ser Ala Leu Glu Arg Ala Thr Gly
 15 20 25

<210> 823
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> -28..-1

<400> 823
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 -25 -20 -15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 -10 -5 1
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 5 10 15 20
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 25 30 35
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 40 45 50
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 55 60 65

<210> 824
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 824
 Met Asp Cys Thr Trp Arg Ile Leu Leu Leu Val Ala Ala Ala Thr Gly
 -15 -10 -5
 Thr His Ala Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys
 1 5 10
 Pro Gly Ala Ser Val Lys Val Ser Cys Gln Val Ser Gly Tyr Asn Val
 15 20 25
 Val Glu Leu Ser Ile His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu
 30 35 40 45
 Glu Trp Met Gly Gly Phe Asp Leu Glu Ser Gly Glu Thr Ile Tyr Ala
 50 55 60
 Gln Arg Phe Gln Gly Arg Ile Thr Met Thr Glu Asp Ser Ser Ser Asp
 65 70 75
 Thr Ala Phe Met Glu Leu Ile Ser Leu Arg Pro Glu Asp Ala Ala Val
 80 85 90

Tyr Tyr Cys Ala Thr Ile Arg Leu Pro Val Val Leu Phe Phe Ala Ala
 95 100 105
 Ser Gly Ala Arg Glu Pro Trp Ser Pro Ser Pro Gln Xaa Pro Arg
 110 115 120

<210> 825
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18...-1

<400> 825
 Met Trp Leu Pro Leu Val Leu Leu Leu Ala Val Leu Leu Leu Ala Val
 -15 -10 -5
 Leu Cys Lys Val Tyr Leu Gly Leu Phe Ser Gly Ser Ser Pro Asn Pro
 1 5 10
 Phe Ser Glu Glu Arg
 15

<210> 826
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25...-1

<400> 826
 Met Glu Leu Ala Leu Arg Arg Ser Pro Val Pro Arg Trp Leu Leu Leu
 -25 -20 -15 -10
 Leu Pro Leu Leu Leu Gly Leu Asn Ala Gly Ala Val Ile Asp Trp Pro
 -5 1 5
 Thr Glu Glu Gly Lys Glu Val Trp Asp Tyr Val Thr Val Arg Lys Asp
 10 15 20
 Ala Tyr Met
 25

<210> 827
 <211> 131
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19...-1

<400> 827
 Met Ala Trp Thr Pro Leu Phe Leu Phe Leu Leu Thr Cys Cys Pro Gly
 -15 -10 -5
 Ser Asn Ser Gln Ala Val Xaa Thr Gln Glu Pro Leu Thr Asp Cys Val

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 830
Met Gly Thr Gln Glu Gly Trp Xaa Leu Leu Leu Cys Leu Ala Leu Ser
-20 -15 -10
Gly Ala Ala Glu Thr Lys Pro His Pro Ala Glu Gly Gln Trp Arg Ala
-5 1 5 10
Val Xaa Val Val Leu Asp Xaa Phe Leu Val Lys Asp Xaa Ala His Arg
15 20 25
Gly Ala Leu Ala Ser Ser Glu Asp Arg Ala Arg
30 35

<210> 831
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 831
Met Ser Met Leu Val Val Phe Leu Leu Leu Trp Gly Val Thr Trp Gly
-15 -10 -5
Pro Val Thr Glu Ala Ala Ile Phe Tyr Glu Thr Gln Xaa Ser Leu Trp
1 5 10 15
Ala Glu Ser Glu His Xaa Leu Lys Thr Leu Gly Gln Cys Asp Ala Asp
20 25 30
Val Pro Gly Pro Pro Gly Asp Ser Arg Leu Pro Ala Val Gln Glu Trp
35 40 45
Gly Ala Gln Glu Pro Val His Leu Asp Ser Pro Ala Ile Lys His Gln
50 55 60
Phe Leu Leu Thr Gly Asp Thr Gln Gly Arg Tyr Arg Cys Arg Ser Gly
65 70 75 80
Leu Ser Thr Gly Trp Xaa Gln Leu Ser Lys Leu Leu Glu Leu Thr Gly
85 90 95
Pro Lys Val Leu Ala Cys Ser Leu Ala Leu Asp Gly Ala Ser
100 105 110

<210> 832
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 832

Met Leu Pro Ser Gln Leu Ile Gly Phe Leu Leu Leu Trp Val Pro Ala
-15 -10 -5
Ser Arg Gly Glu Ile Val Leu Thr Gln Ser Pro Asp Phe Leu Ser Val
1 5 10
Thr Pro Lys Glu Lys Val Thr Ile Thr Cys Arg Ala Ser Xaa Ser Ile
15 20 25
Gly Ser Ser Leu Tyr Trp Tyr Gln Gln Lys Pro His Gln Ser Pro Lys
30 35 40 45
Leu Val Ile Lys Tyr Ala Ser Gln Ser Phe Ser Gly Val Ser Ser Arg
50 55 60
Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser
65 70 75
Leu Glu Pro Gly
80

<210> 833
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20...-1

<400> 833

Met Glu Lys Ile Pro Val Ser Ala Phe Leu Leu Leu Val Ala Leu Ser
-20 -15 -10 -5
Tyr Thr Leu Ala Arg Asp Thr Thr Val Lys Pro Gly Ala Lys Lys Asp
1 5 10
Thr Lys Asp Ser Arg Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp
15 20 25
Gly Asp Gln Leu Ile Trp Thr Gln Thr Tyr Glu Glu Ala Leu Tyr Lys
30 35 40
Ser Lys Thr Ser Asn Lys Pro Leu Met Ile Ile His His Leu Asp Glu
45 50 55 60
Cys Pro His Ser Gln Ala Leu Lys Lys Val Phe Ala Glu Asn Lys Glu
65 70 75
Ile Gln Lys Leu Ala Glu Gln Phe Val Leu Leu Asn Leu Val Tyr Glu
80 85 90
Thr Thr Asp
95

<210> 834
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20...-1

<400> 834

Met Arg Pro Gly Leu Ser Phe Leu Leu Ala Leu Leu Phe Phe Leu Gly
-20 -15 -10 -5

Gln Ala Ala Gly Asp Leu Gly Asp Val Gly Pro Pro Ile Pro Ser Pro
 1 5 10
 Gly Phe Ser Ser Phe Pro Gly Val Asp Ser Ser Ser Ser Phe Ser Ser
 15 20 25
 Ser Ser Arg Ser Gly Ser Ser Ser Ser Arg Ser Leu Gly Ser Gly Gly
 30 35 40
 Ser Val Ser Gln Leu Phe Ser Asn Phe Thr Gly Ser Val Asp Asp Arg
 45 50 55 60
 Gly Thr Cys Gln Cys Ser Val Ser Leu Pro Asp Thr Thr Phe Pro Val
 65 70 75
 Asp Arg Val Glu Arg Leu Glu Phe Thr Ala His Val Leu Ser Gln Lys
 80 85 90
 Phe Glu Lys Glu Leu Ser Lys
 95

<210> 835
 <211> 147
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 835
 Met Asp Leu Leu His Lys Asn Met Lys His Leu Trp Phe Phe Leu Leu
 -25 -20 -15
 Leu Val Ala Ala Pro Arg Trp Val Arg Ser Gln Val Gln Leu Xaa Glu
 -10 -5 1 5
 Ser Gly Pro Gly Leu Val Lys Pro Ser Gly Thr Leu Ser Leu Ile Cys
 10 15 20
 Gly Val Ser Gly Asp Ser Val Thr Ile Ser Gly Trp Trp Ser Trp Val
 25 30 35
 Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Ser Glu Ile Asp His
 40 45 50
 Gly Gly Asn Thr Asn Tyr Asn Pro Ser Leu Lys Ser Arg Val Xaa Ile
 55 60 65 70
 Ser Leu Asp Lys Ser Lys Asn Lys Phe Ser Leu Arg Leu Thr Ser Val
 75 80 85
 Thr Ala Ala Asp Thr Ala Met Tyr Xaa Cys Ala Arg Gly Gly Ala Xaa
 90 95 100
 Ser Ser Ser Ala Phe Asp Val Trp Gly Leu Xaa Thr Met Val Ile Ile
 105 110 115
 Ser Ser Ala
 120

<210> 836
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 836

Met Asp Ile Leu Cys Ser Thr Leu Leu Leu Leu Thr Val Pro Ser Trp
-15 -10 -5
Val Leu Ser Gln Val Thr Leu Xaa Glu Ser Gly Pro Ala Leu Val Lys
1 5 10
Ala Thr Gln Thr Leu Arg Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu
15 20 25
Ser Thr Asn Arg Met Arg Val Ser Trp Ile Arg Gln Pro Pro Gly Lys
30 35 40 45
Ala Leu Glu Trp Leu Ala Arg Ile Asp Trp Asp Asp Tyr Lys Arg Tyr
50 55 60
Ser Thr Ser Leu Lys Thr Arg Val Thr Ile Ser Lys Asp Thr Ser Lys
65 70 75
Asn Gln Val Ile Leu Thr Met Thr Asn Val Asp Pro Ala Asp Thr Ala
80 85 90
Thr Tyr Tyr Cys Ala Arg Leu Ser Thr Ala Ala Thr Pro Gln Phe Phe
95 100 105
Asp Phe Trp Gly Gln Gly Val Leu Val Ser Val
110 115 120

<210> 837

<211> 139

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19...-1

<400> 837

Met Xaa His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
-15 -10 -5
Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
1 5 10
Pro Ser Xaa Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Asp Ser Ile
15 20 25
Ser Ser Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu
30 35 40 45
Glu Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro
50 55 60
Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln
65 70 75
Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr
80 85 90
Tyr Cys Ala Arg Xaa Leu Xaa Tyr Tyr Asp Arg Ser Gly Tyr Phe Arg
95 100 105
Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Trp Ser
110 115 120

<210> 838

<211> 136

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 838

Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp
				-15					-10					-5	
Val	Leu	Ser	Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys
			1				5					10			
Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile
	15					20					25				
Asp	Ser	Gly	Asn	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Ala	Gly	Lys
30					35					40				45	
Gly	Leu	Glu	Trp	Ile	Gly	Arg	Ile	Tyr	Ser	Thr	Gly	Ser	Thr	Asn	Tyr
				50				55						60	
Asn	Pro	Ser	Leu	Ser	Ser	Arg	Val	Gln	Ile	Ser	Leu	Asp	Thr	Ser	Lys
			65					70					75		
Asn	Leu	Leu	Ser	Leu	Asn	Leu	Thr	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala
		80					85					90			
Val	Tyr	Phe	Cys	Ala	Arg	Thr	Phe	Pro	Phe	Tyr	Trp	Tyr	Leu	Asp	Leu
	95					100					105				
Trp	Gly	Arg	Gly	Ile	Leu	Val	Thr								
110						115									

<210> 839
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 839

Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp
				-15					-10					-5	
Val	Leu	Ser	Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Arg	Leu	Val	Lys
			1				5					10			
Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile
	15					20					25				
Ser	Ser	Gly	Gly	Tyr	Phe	Trp	Ser	Trp	Ile	Arg	Gln	His	Pro	Gly	Arg
30					35					40				45	
Gly	Leu	Glu	Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Asn	Trp	Ser	Thr	Tyr	Tyr
				50				55						60	
Asn	Pro	Ser	Leu	Arg	Ser	Arg	Val	Thr	Met	Ser	Met	Asp	Thr	Ser	Lys
			65					70				75			
Asn	Gln	Phe	Ser	Leu	Asn	Leu	Asn	Ser	Val	Thr	Ala	Ala	Asp	Thr	Xaa
		80					85					90			
Met	Tyr	Tyr	Cys	Ala	Arg	Gly	Arg	Gly	Arg	Leu	Gly	Trp	Phe	Xaa	Xaa
	95					100					105				
Xaa	Gly	Xaa	Gly	Xaa	Pro	Gly	His	Arg	Leu	Ile	Ser	Arg	Pro	Gly	
110						115				120					

<210> 840
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 840
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 -15 -10 -5
 Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
 1 5 10
 Pro Ser Glu Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile
 15 20 25
 Arg Thr Gly Ser Tyr Tyr Trp Thr Trp Val Arg Gln Pro Pro Gly Lys
 30 35 40 45
 Gly Leu Glu Trp Ile Gly Tyr Ile Tyr Tyr Thr Gly Asp Thr Tyr Tyr
 50 55 60
 Asn Pro Ser Leu Lys Ser Arg Ile Thr Met Ser Leu Asp Thr Xaa Xaa
 65 70 75
 Asn Gln Phe Xaa Leu Ser Leu Thr Ser Val Thr Val Ala Asp Thr
 80 85 90

<210> 841
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 841
 Met Lys Leu Ser Val Cys Leu Leu Leu Val Thr Leu Ala Leu Cys Cys
 -15 -10 -5 1
 Tyr Gln Ala Asn Ala Glu Phe Cys Pro Ala Leu Val Ser Glu Leu Leu
 5 10 15
 Asp Phe Phe Phe Ile Ser Glu Pro Leu Phe Lys Leu Ser Leu Ala Lys
 20 25 30
 Phe Asp Ala Pro Arg
 35

<210> 842
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 842

Met Ser Pro Val Leu Leu Val Leu Ser Leu Ser Gln Cys Leu Leu Ser
 -15 -10 -5
 Asp Pro Val Ile Pro Gly Leu
 1 5

<210> 843
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 843
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 -15 -10 -5
 Val Leu Ser Gln Val Arg Leu Gln Glu Ser Gly Pro Arg Leu Val Lys
 1 5 10
 Pro Ser Glu Xaa Leu Ser Leu Thr Cys Ser Val Ser Gly Val Ser Val
 15 20 25
 Thr Asn Phe Phe Trp Asn Trp Ile Arg Lys Pro Pro Gly Lys Gly Leu
 30 35 40 45
 Glu Trp Leu Gly Tyr Met Ser Tyr Gly Val Ser Thr Asn Tyr His Pro
 50 55 60
 Ala Tyr Gln Ser Arg Val Ser Ile Ser Ile Asp Thr Trp
 65 70

<210> 844
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 844
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 -15 -10 -5
 Val Leu Ser Gln Val Gln Leu Gln Glu Ala Gly Pro Arg Leu Val Lys
 1 5 10
 Pro Ser Glu Ala Leu Ser Leu Thr Cys Thr Val Ser Gly Val Ser Ser
 15 20 25
 Ser Asn Tyr Asp Trp Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu
 30 35 40 45
 Glu Trp Ile Gly Tyr Ile Asp Asp Ser Lys Asn Arg Gly Ser Thr Thr
 50 55 60
 Tyr Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Xaa Asp Thr Ser
 65 70 75
 Lys Xaa Gln Leu Ser Leu Arg Leu Thr Ser Val Thr Xaa Ala Asp Thr
 80 85 90
 Ala Val Tyr Tyr Cys Ala Arg Lys Ser Ser Met His Ser Ser Gly Trp
 95 100 105

His Asn Arg Ser Leu Tyr Trp Tyr Phe Asp Pro
 110 115 120

<210> 845
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 845
 Met Asp Leu Leu His Lys Asn Met Lys Asp Leu Trp Phe Phe Leu Leu
 -25 -20 -15
 Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Val Leu Gln Glu Ser
 -10 -5 1 5
 Gly Pro Gly Leu Val Lys Pro Ser Gly Thr Leu Ser Leu Thr Cys Ala
 10 15 20
 Val Ser Gly Gly Ser Ile Ile Ser Ser Asn Trp Trp Ser Trp Val Arg
 25 30 35
 Gln Thr Pro Gly Lys Gly Leu Glu Trp Ile Gly Glu Ile Tyr Glu Asp
 40 45 50
 Gly Ile Thr Asn Tyr Asn Pro Ser Leu Lys Ser Arg Val Ile Ile Ser
 55 60 65 70
 Val Asp Lys Ala Lys Asn Gln Phe Ser Leu Lys Met Arg Ser Val Thr
 75 80 85
 Ala Ser Asp Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser Ser Ser Val
 90 95 100
 Arg Thr Asp Tyr Trp Gly
 105

<210> 846
 <211> 144
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 846
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 -15 -10 -5
 Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Ser Gly Pro Val Asp
 1 5 10
 Xaa Xaa Gln Thr Leu Xaa Leu Thr Cys Thr Xaa Ser Gly Val Ser Ile
 15 20 25
 Ser Ser Ser Asp Asn Cys Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys
 30 35 40 45
 Gly Leu Glu Trp Ile Gly Tyr Ile Tyr His Ser Gly Gly Thr Tyr Tyr
 50 55 60
 Asn Pro Thr Leu Lys Ser Arg Val Thr Ile Ser Xaa Asp Arg Ile Arg
 65 70 75

Asn	Gln	Phe	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Xaa	Asp	Thr	Ala
		80					85					90			
Val	Tyr	Xaa	Cys	Gly	Arg	Ala	Gln	Gly	Arg	Met	Gly	Ile	Gly	Thr	Thr
	95					100					105				
Ile	Phe	Asp	Leu	Trp	Gly	Gly	Gly	Gln	Trp	Ser	Pro	Ser	Leu	Gln	Pro
110					115					120					125

<210> 847
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 847															
Met	Asp	Trp	Thr	Trp	Arg	Ile	Leu	Phe	Leu	Val	Ala	Ala	Ala	Thr	Gly
				-15					-10					-5	
Ala	His	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys
			1			5						10			
Pro	Gly	Ala	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Xaa	Phe
	15				20					25					
Thr	Xaa	Xaa	Ala	Xaa	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Arg	Leu
30					35					40					45
Glu	Trp	Met	Gly	Trp	Ile	Asn	Ala	Ala	Xaa	Gly	Xaa	Thr	Xaa	Tyr	Ser
				50					55					60	
Gln	Xaa	Phe	Gln	Xaa	Arg	Val	Thr	Xaa	Thr	Arg	Asp	Thr	Ser	Ala	Ser
			65					70				75			
Thr	Val	Ser	Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val
		80				85					90				
Tyr	Phe	Cys	Ala	Arg	Asp	Trp	Glu	Ile	Ala	Val	Val	Pro	Thr	Ala	Ile
	95				100					105					
Asn	Ser	Tyr	Gly	Phe	Asp	Pro	Gly	Ala	Arg	Glu	Pro				
110					115					120					

<210> 848
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 848															
Met	Glu	Ala	Arg	Val	Glu	Arg	Ala	Val	Gln	Lys	Arg	Gln	Val	Leu	Phe
	-25					-20				-15					
Leu	Cys	Val	Phe	Leu	Gly	Met	Ser	Trp	Ala	Gly	Ala	Glu	Pro	Leu	Arg
-10				-5					1				5		
Tyr	Phe	Val	Ala	Glu	Glu	Thr	Glu	Arg	Gly	Thr	Xaa	Leu	Thr	Asn	Leu
			10				15					20			
Ala	Lys	Asp	Leu												
	25														

<210> 849
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19...-1

<400> 849
 Met Asp Trp Thr Trp Ser Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
 -15 -10 -5
 Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Gly Glu Val Lys Lys
 1 5 10
 Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe
 15 20 25
 Thr Arg Tyr Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu
 30 35 40 45
 Glu Trp Met Gly Trp Ile Ser Ala Xaa Asn Gly Asn Thr Asn Tyr Ala
 50 55 60
 Gln Xaa Val Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Arg
 65 70 75
 Thr Ala Tyr Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Ile
 80 85 90
 Tyr Tyr Cys Ala Arg Glu Ile Xaa Val Xaa Xaa Cys Asp Gly Gln Leu
 95 100 105
 Gly Pro Gly Asn Leu Val
 110 115

<210> 850
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26...-1

<400> 850
 Met Asp Val Leu His Lys His Met Lys His Leu Trp Phe Phe Leu Leu
 -25 -20 -15
 Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Glu Gln Leu Arg Gln
 -10 -5 1 5
 Trp Gly Ala Xaa Leu Leu Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys
 10 15 20
 Ser Val Tyr Gly Gly Ser Phe Asn Gly Tyr Tyr Trp Ser Trp Ile Arg
 25 30 35
 Gln Ser Pro Gly Lys Gly Leu Glu Trp Ile Gly Gly Ile Asn His Ser
 40 45 50
 Gly Ser Thr Leu Ser Asn Pro Ser Leu Lys Ser Arg Val Asp Leu Ser
 55 60 65 70
 Val Asp Ala Ser Lys Asp Gln Val Ser Leu Arg Leu Lys Leu Val Thr
 75 80 85

Ala Ala Asp Thr Ala Val Tyr Phe Cys Ala Arg Pro His Tyr Asp Met
 90 95 100
 Ser Thr Asp Ser Ser Phe Asp Gly Phe Asp Leu Trp
 105 110

<210> 851
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 851
 Met Met Leu Leu Ala Leu Phe Phe Leu Leu Arg Ile Ala Leu Ala Ser
 -15 -10 -5 1
 Gln Gly Leu Leu Trp Phe His Thr Asn Phe Lys Val Phe Val Val Ser
 5 10 15
 Ile Cys Val Lys Thr Ile Ile Gly Ile Ser Gly Gly
 20 25

<210> 852
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 852
 Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
 -15 -10 -5
 Ala Leu Ser Gln Val Gln Leu Val Gln Ser Gly Gly Glu Val Lys Lys
 1 5 10
 Pro Gly Ala Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe
 15 20 25
 Ile Gly Tyr Tyr Val His Trp Ile Arg Gln Thr Pro Gly Arg Xaa Leu
 30 35 40 45
 Glu Trp Met Gly Trp Val Asn Pro Xaa Thr Gly Asp Asn Gly
 50 55

<210> 853
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -37..-1

<400> 853
 Met Phe Phe Gln Phe Trp Lys Ser Ser Ala Tyr Leu Ile Phe Val Ser

-35 -30 -25
 Ile Cys Lys Gly Phe Leu Pro Val Tyr Leu Leu Leu Val Leu Ser Leu
 -20 -15 -10
 Ser Leu Ser Leu Cys Cys Ser Leu Leu Leu Ser Leu
 -5 1 5

<210> 854
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 854
 Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly
 -15 -10 -5
 Val His Ser Gln Val His Leu Val Gln Ser Gly Ala Glu Val Lys Lys
 1 5 10
 Pro Gly Thr Pro Val Asn Ile Ser Cys Lys Ala Phe Gly Tyr Thr Phe
 15 20 25
 Pro Ala Phe Ala Ile His Trp Val Arg Gln Ala Pro Gly Gln Ser Leu
 30 35 40 45
 Glu Trp Met Gly Trp Val Asn Ile Gly His Gly Asn Thr Lys Tyr Ser
 50 55 60
 Gln Lys Phe Gln Gly Arg Leu Ala Ile Ser Arg Asp Thr Ser Ala Asn
 65 70 75
 Ile Val Tyr Xaa Glu Leu Ser Gly Leu Arg Ser Glu Asp Thr Ala Val
 80 85 90
 Tyr Tyr Cys Ala Arg Asp Asn Leu Phe Phe Gly Ser Met Gly Phe Asp
 95 100 105

<210> 855
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 855
 Met Ala Trp Thr Val Leu Leu Leu Gly Leu Leu Ser His Cys Thr Gly
 -15 -10 -5
 Ser Val Thr Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala
 1 5 10 15
 Pro Gly Lys Thr Ala Ser Ile Thr Cys Gly Gly Asp Asn Ile Glu Ser
 20 25 30
 Gln Val Val His Trp His Gln Gln Lys Pro Gly Gln Ala Pro Ile Leu
 35 40 45
 Val Ile Tyr Asp Asp Thr Asp Arg Pro Ser Gly Ile Pro Asp Arg Phe
 50 55 60
 Ser Gly Ser Asn Ser Gly His Thr Ala Thr Leu Thr Ile Ser Arg Val

65 70 75 80
 Glu Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Arg Ser
 85 90 95
 Ser Gly Gln Gly Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Arg
 100 105 110
 Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu
 115 120 125
 Glu Leu Gln Ala Asn Lys Ala Thr
 130 135

<210> 856
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 856
 Met Arg Leu Leu Phe Leu Leu Leu Phe Val Cys Phe Ser Arg Gln Gly
 -15 -10 -5 1
 Leu Ala Leu Ser Leu Arg Leu Glu Cys Ser Gly Met Ile Met Ala Tyr
 5 10 15
 Cys Ser Ile Ser Leu Pro Gly Ser Ser Ser Pro Leu Thr Ser Ala Ser
 20 25 30

<210> 857
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 857
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ser Ala Pro Arg Trp
 -15 -10 -5
 Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
 1 5 10
 Pro Ser Gly Arg Leu Ser Leu Ala Cys Asp Val Val Glu Leu Ser Pro
 15 20 25
 Pro Ala Pro Arg Gly Gly Ser Ala Val His Leu Arg Asn Leu Ser Ser
 30 35 40 45
 Trp Glu Pro His Leu Gln Pro Val Ser Gly
 50 55

<210> 858
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -32..-1

<400> 858
Met Thr Tyr Phe Pro Leu Gly Arg Tyr Pro Val Met Gly Leu Leu Asp
-30 -25 -20
Gln Met Val Val Val Phe Leu Leu Leu Val Ser Thr Leu Ser Ser
-15 -10 -5
Val Val Val Leu Leu Val Cys Ile Pro Thr Ser Ser Val Lys Leu Phe
1 5 10 15
Pro Phe His His Ile His Thr Asn Trp
20 25

<210> 859
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 859
Met Glu Phe Gly Leu Ser Trp Val Leu Leu Val Ala Met Leu Arg Gly
-15 -10 -5
Leu Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Thr Ala
1 5 10

<210> 860
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 860
Met Tyr Leu Ser Leu Leu Ile Leu Leu Leu Glu Asn Val Ser Gly Phe
-15 -10 -5 1
Pro Phe Pro Leu Ile Phe Gln Leu His Ala Ser Pro Gly His Lys Ile
5 10 15
Leu Pro Asp Cys Met Ile Tyr Ser Ile Thr Val Ser Leu Met Phe Pro
20 25 30
Val Val Asp Tyr Ile Ser Thr Gln Gly
35 40

<210> 861
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL

<222> -28..-1

<400> 861

Met Met Arg Ala Phe Tyr Leu Ala Ile Leu Phe Cys Leu Ser Leu Ser
-25 -20 -15
Leu Trp Phe Xaa Cys Leu Leu Phe Leu Leu Phe Ala Trp Pro Gly
-10 -5 1

<210> 862

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 862

Met Ala Trp Thr Pro Leu Leu Phe Leu Thr Leu Leu Leu His Cys Thr
-20 -15 -10 -5
Gly Ser Leu Ala Gln Leu Val Leu Thr Gln Ser Pro Ser Ala Ser Ala
1 5 10
Ser Leu Gly Ala Ser Val Lys Leu Thr Cys Thr Leu Ser Ser Gly His
15 20 25
Ser Asn Tyr Gly Ile Ala Trp Tyr Gln Gln Gln Pro Glu Lys Gly Pro
30 35 40
Arg Phe Leu Met Lys Val Asn Ser Asp Gly Ser His Met Lys Ala Asp
45 50 55 60
Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Ala Glu Arg Tyr
65 70 75
Leu Ser Ile Ser Ser Leu
80

<210> 863

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 863

Met Pro Leu Ala Leu Phe Phe Leu Leu Ser Val Ala Leu Ala Ile Gln
-10 -5 1
Gly Gln

<210> 864

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 864

Met Asp Trp Thr Trp Arg Xaa Phe Cys Leu Leu Ala Val Ala Pro Gly
 -15 -10 -5
Ala His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
 1 5 10
Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe
 15 20 25
Thr Ser His Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu
30 35 40 45
Glu Trp Met Gly Ile Ile Tyr Pro Asp Ser Asp Thr Thr Lys Tyr Xaa
 50 55 60
Gln Asn Phe Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser
 65 70 75
Thr Val Tyr Met Glu Leu Ser Ser Leu Thr Ser Asp Asp Thr Ala Val
 80 85 90
Tyr Tyr Cys Ala Arg Glu Ala Tyr Ser Gly Ser Tyr Arg Phe Asp Tyr
95 100 105

Trp
110

<210> 865

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 865

Met Asp Leu Met Cys Lys Lys Met Arg His Leu Trp Phe Leu Leu Leu
 -25 -20 -15
Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Leu Gln Leu Glu
-10 -5 1 5
Ser Gly Pro Gly Leu Val Lys Ala Ser Glu Thr Leu Ser Leu Ala Cys
 10 15 20
Ser Val Ser Gly Asp Ser Ile Ser Ser Gly Asn Tyr Tyr Trp Gly Trp
 25 30 35
Ile Arg Gln Pro Pro Gly Lys Gly Leu Gln Trp Leu Gly Ser Leu Trp
40 45 50
Asn Arg Gly Gly Pro Gln Tyr Asn Xaa Ser Leu Lys Asn Arg Val Thr
55 60 65 70
Val Ser Val Asp Thr Ser Thr Asn His Phe Phe Leu Arg Leu Asn Ser
 75 80 85
Val Asn Xaa Gly His Gly Asn Leu Leu Leu Cys Ala
90 95

<210> 866

<211> 32

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 866
 Met Arg Xaa Xaa Leu Xaa Leu Ser Val Leu Leu Gly Xaa Xaa Xaa Xaa
 -15 -10 -5
 Lys Xaa Asp Phe Val Gly His Gln Val Leu Arg Ile Ser Val Ala Asp
 1 5 10 15

<210> 867
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

<400> 867
 Met Ala Glu Ser Arg Glu Glu Gly Glu Ser Cys Val Glu Ser His Cys
 -35 -30 -25
 Val Leu Phe Phe Thr Leu Phe Phe Leu Leu Phe Phe Cys Phe Val Phe
 -20 -15 -10 -5
 Cys Leu Arg Gly Gln Gly
 1

<210> 868
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 868
 Met Glu Leu Gly Leu Ser Trp Leu Phe Leu Val Ala Phe Leu Lys Gly
 -15 -10 -5
 Val Gln Cys Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
 1 5 10
 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 15 20 25
 Ser Ser Tyr Ala Met Leu Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
 30 35 40 45
 Glu Trp Val Ser Gly Ile Ser Ala Gly Ala Asp Asp Thr Tyr Asp Ala
 50 55 60
 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Lys
 65 70 75
 Ile Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Arg
 80 85 90

<210> 869
 <211> 60

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -23..-1

<400> 869
Met Ala Val Ser Val Leu Arg Leu Thr Val Val Leu Gly Leu Leu Val
 -20 -15 -10
Leu Phe Leu Thr Cys Tyr Ala Asp Asp Lys Pro Asp Lys Pro Asp Asp
 -5 1 5
Lys Pro Asp Asp Ser Gly Lys Asp Pro Lys Pro Asp Phe Pro Lys Phe
10 15 20 25
Leu Ser Leu Leu Gly Thr Glu Ile Ile Glu Asn Ala
 30 35

<210> 870
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -24..-1

<400> 870
Met Glu Arg Arg Arg Leu Leu Gly Gly Met Ala Leu Leu Leu Leu Gln
 -20 -15 -10
Ala Leu Pro Ser Pro Leu Ser Ala Arg Ala Glu Pro Pro Gln Asp Lys
 -5 1 5
Glu Ala Cys Val Gly Thr Asn Asn Gln Ser Tyr Ile Cys Asp Thr Gly
10 15 20
His Cys Cys Gly Gln Ser Gln Cys Cys Asn Tyr Tyr Tyr Glu Leu Trp
25 30 35 40
Trp Phe Trp Leu Val Trp Thr Ile Ile Ile Leu Ser Cys Cys Cys
 45 50 55
Val Cys His His Arg Arg Ala Lys His Arg Leu Gln Ala Gln Gln Arg
 60 65 70
Gln His Glu Ile Asn Leu Ile Ala Tyr Arg
 75 80

<210> 871
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -27..-1

<400> 871
Met Val Val Ala Asp Arg Asn Arg Ala Ser Ser Ser Ser Tyr Leu Cys
 -25 -20 -15

Leu Leu Leu Phe Ser Leu Ser Leu Phe Leu Cys His Glu Thr Val Cys
 -10 -5 1 5
 Asp Arg Ala Thr Cys
 10

<210> 872
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 872
 Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly
 -15 -10 -5
 Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
 1 5 10
 Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe
 15 20 25
 Ser Xaa Tyr Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu
 30 35 40 45
 Glu Trp Met Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Xaa Tyr Ala
 50 55 60
 Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala Asp Xaa Ser Thr Xaa
 65 70 75
 Thr Xaa Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Xaa
 80 85 90
 Tyr Tyr Cys Ala Arg Gly Gln Ala Pro Gly Arg Val Val Val Pro Leu
 95 100 105
 Phe Leu Trp Gly Gln Gly Thr Trp Ser Pro Ser Pro Gln Pro
 110 115 120

<210> 873
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -45..-1

<400> 873
 Met Thr Tyr Ser Tyr Ser Phe Phe Arg Pro Glu Leu Ile Val Asn His
 -45 -40 -35 -30
 Leu Asn Tyr Val His Ser Glu Ala Asn Arg Arg Thr Lys Thr Lys Thr
 -25 -20 -15
 Leu Leu Ser Leu Leu Ser Phe Leu Asp Glu Thr Ser Gly Leu Ser Thr
 -10 -5 1
 His Leu Pro Cys Leu Ser Leu Ser Lys Glu Cys Gly Val Leu His Leu
 5 10 15
 Asp Ile His Gly Lys Lys Glu Asp Met Arg Asp Glu Val Leu Leu Ala
 20 25 30 35

Leu Asn Xaa Cys Thr His Arg
40

<210> 874
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 874
Met Lys Ser Phe Ser Arg Ile Leu Phe Leu Val Phe Leu Leu Ala Gly
 -15 -10 -5
Leu Arg Ser Lys Ala Ala Pro Ser Ala Pro Leu Pro Leu Gly Cys Gly
 1 5 10
Phe Pro Asp Met Ala His Pro Ser Glu Thr Ser Pro Leu Lys Gly Ala
 15 20 25
Ser Glu Asn Ser Lys Arg Asp Arg Leu Asn Pro Glu Phe Pro Gly Thr
30 35 40 45
Pro Tyr Pro Glu Pro Ser Lys Leu Pro His Thr Val Ser Leu Glu
 50 55 60

<210> 875
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -41..-1

<400> 875
Met Arg Val Pro Ile Phe Pro His Pro His Gln Leu Ser Leu Leu Phe
 -40 -35 -30
Ile His Leu Phe Ile Tyr Leu Phe Arg Glu Arg Val Ser Leu Cys His
-25 -20 -15 -10
Leu Gly Trp Ser Ala Val Val Gln Ser Gln Pro Thr Thr Thr Leu Thr
 -5 1 5
Ser Arg Ala
 10

<210> 876
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -37..-1

<400> 876
Met Trp Lys Glu Ser Ser His Gly Cys Asn Asn Leu Gly Ser Ser Tyr

-35 -30 -25
 Leu Asp Asp Thr Gly Val Gly Ser Phe Leu Phe Val Leu Phe Cys Phe
 -20 -15 -10
 Gly Gly Ser Arg Ala Leu Leu Leu Pro Gly Ser Gly
 -5 1 5

<210> 877
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 877
 Met His Thr Phe Leu Cys Leu Leu Phe Tyr Leu Ile Val Ser Cys Gly
 -15 -10 -5
 Ala Val Phe Leu Thr Val Pro Ser Pro Gln
 1 5 10

<210> 878
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -39..-1

<400> 878
 Met Ala Trp His Pro Thr Pro Pro Pro Leu Xaa Xaa Pro Pro Pro Leu
 -35 -30 -25
 Xaa Arg Xaa Ser Leu Pro Ala Cys Ala Asp Ser Ile Ile Leu Xaa Leu
 -20 -15 -10
 Xaa Phe Pro Gly Ile Leu Gly Gln Ala His Leu Xaa Ser Glu Gln Trp
 -5 1 5
 Thr Gln Tyr Leu
 10

<210> 879
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 879
 Met Pro Ile Leu Pro Gln Asp Ile Leu His Leu Leu Ile Leu Leu Ser
 -20 -15 -10
 Gly Thr Cys Phe Thr Trp Ile Leu Leu Trp Leu Pro Leu Ser Pro Leu
 -5 1 5 10

Leu Gly Leu Lys Cys
15

<210> 880
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 880
Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Leu Cys Gly Arg
-20 -15 -10 -5
Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Asp Glu Asp
1 5 10
His Gly Pro Asp Asp Tyr Asp Glu Asp Glu Asp Glu Val Glu Glu
15 20 25
Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
30 35 40
Cys Tyr Thr Xaa Xaa Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
45 50 55 60
Gln Asn Cys Ser His
65

<210> 881
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 881
Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala Lys
-15 -10 -5 1
Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met Leu Lys
5 10 15
Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp Asp Asp
20 25 30
Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu Pro Arg Ser His
35 40 45
Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro Phe Gly Cys Gln Cys
50 55 60 65
Tyr Ser Arg Val Val His Cys Ser
70

<210> 882
<211> 95
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 882

Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp
			-15						-10					-5	
Ala	Met	Ser	Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Arg	Leu	Val	Lys
		1				5					10				
Pro	Ser	Gly	Thr	Leu	Ser	Leu	Thr	Cys	Ser	Val	Ser	Gly	Gly	Ser	Met
	15					20				25					
Ala	Thr	Ser	Asp	Trp	Trp	Ser	Trp	Phe	Arg	Gln	Thr	Pro	Glu	Lys	Gly
30					35					40					45
Leu	Glu	Trp	Ile	Gly	Glu	Ile	Phe	Gln	Thr	Gly	Pro	Thr	Asn	Tyr	Asn
			50					55						60	
Pro	Ser	Leu	Lys	Ser	Arg	Val	Ser	Met	Ser	Val	Asp	Met	Ser	Lys	
		65						70					75		

<210> 883

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 883

Met	Asp	Leu	Thr	Cys	Lys	Lys	Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu
	-25					-20				-15					
Leu	Val	Ala	Ala	Pro	Arg	Trp	Ala	Leu	Ser	Gln	Leu	Gln	Leu	Gln	Glu
-10				-5					1				5		
Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu	Thr	Leu	Ser	Leu	Thr	Cys
		10					15					20			
Thr	Val	Ser	Gly	Glu	Ser	Ile	Thr	Thr	Asn	Ser	Phe	Cys	Trp	Ala	Trp
	25					30					35				
Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Leu	Gly	Thr	Val	Cys
40					45					50					
Tyr	Gly	Gly	Thr	Thr	Tyr	Xaa	Asn	Xaa	Ser	Leu	Lys	Ser	Arg	Val	Lys
55					60					65					70
Leu	Ser	Leu	Asp	Thr	Ser	Thr	Asn	Gln	Phe	Ser	Leu	Lys	Val	Thr	Ser
			75					80						85	
Met	Thr	Ala	Gly	Asp	Ala	Ala	Val	His	Tyr	Cys	Ala	Gly	Leu	Arg	Val
			90					95					100		

Ser

<210> 884

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -63..-1

<400> 884

Met Ala Asn Gly Thr Asn Ala Ser Ala Pro Tyr Tyr Ser Tyr Glu Tyr
-60 -55 -50
Tyr Leu Asp Tyr Leu Asp Leu Ile Pro Val Asp Glu Lys Lys Leu Lys
-45 -40 -35
Ala His Lys His Ser Ile Val Ile Ala Phe Trp Val Ser Leu Ala Ala
-30 -25 -20
Phe Val Val Leu Leu Phe Leu Ile Leu Leu Tyr Met Ser Trp Ser Ala
-15 -10 -5 1
Ser Pro

<210> 885

<211> 133

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 885

Met Asp Trp Thr Trp Arg Phe Leu Phe Val Val Ala Ala Ala Thr Gly
-15 -10 -5
Val Gln Ser Gln Xaa Xaa Leu Xaa Gln Ser Gly Ala Glu Val Lys Lys
1 5 10
Pro Gly Ser Ser Val Lys Val Ser Cys Xaa Ala Ser Gly Gly Ile Xaa
15 20 25
Ser Xaa Tyr Ser Phe Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Phe
30 35 40 45
Glu Trp Leu Gly Arg Ile Ile Pro Ile Leu Gly Ile Thr Asn Tyr Ala
50 55 60
Glu Lys Phe Arg Gly Arg Leu Thr Ile Thr Val Asp Lys Ser Thr Arg
65 70 75
Val Val Tyr Met Glu Gln Ser Ser Leu Thr Ser Ala Asp Thr Ala Val
80 85 90
Tyr Tyr Cys Ala Lys Pro Thr Met Thr Ser Glu Leu Arg Val Tyr Tyr
95 100 105
Gln Xaa Thr Leu Trp
110

<210> 886

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -22..-1

<400> 886

Met Trp Asn Arg Tyr Phe Val Phe Tyr Leu Leu Leu Leu Ser Ala Phe
-20 -15 -10
Thr Ser Gln Thr Val Ser Gly Gln Arg Lys Lys Gly Pro Arg

-5

1

5

<210> 887
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 887

Met	Lys	His	Leu	Gly	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp
				-15					-10					-5	
Val	Leu	Ser	Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Ser	Gly	Leu	Glu	Lys
			1				5					10			
Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Ser	Val	Ser	Gly	Gly	Ser	Ile
	15					20					25				
Ser	Ser	Asp	Asp	Leu	Ser	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys
30				35						40					45
Gly	Leu	Glu	Trp	Ile	Gly	Tyr	Ile	Tyr	Gln	Asn	Glu	Arg	Thr	Leu	Tyr
				50					55					60	
Asn	Pro	Ser	Leu	Lys	Ser	Arg	Ala	Ala	Ile	Ser	Val	Asp	Arg	Ser	Lys
			65					70					75		
Asn	Gln	Phe	Ser	Leu	Lys	Leu	Thr	Ser	Val	Thr	Ala	Ala	Asp	Met	Ala
		80					85					90			
Val	Tyr	Tyr	Cys	Ala	Thr	Ser	Val	Met	Xaa	Ser	Phe	Gly	Gly	Val	Leu
	95					100					105				
Val	Pro	Asn	Leu	Phe	Leu	Thr	Thr	Gly	Ala	Arg	Glu	Ser	Arg		
110					115					120					

<210> 888
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 888

Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Gly	Pro	Arg	Trp
				-15					-10					-5	
Val	Leu	Ser	Gln	Val	Gln	Leu	Xaa	Glu	Ser	Gly	Pro	Arg	Leu	Val	Lys
			1				5					10			
Pro	Ser	Gln	Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Ala	Ser	Val
	15					20					25				
Ser	Ser	Arg	Gly	Tyr	Tyr	Trp	Thr	Trp	Ile	Arg	Gln	Leu	Pro	Gly	Lys
30				35						40					45
Gly	Leu	Glu	Trp	Ile	Gly	Tyr	Ile	Xaa	Tyr	Thr	Gly	Ser	Thr	Phe	Tyr
				50					55					60	
Asn	Pro	Ser	Leu	Lys	Ser	Arg	Leu	Thr	Ile	Ser	Ile	Asp	Thr	Ser	Lys
			65					70					75		
Asn	Gln	Phe	Ser	Leu	Asn	Leu	Arg	Ser	Val	Thr	Thr	Ala	Asp	Thr	Ala

80 85 90
 Val Tyr Tyr Cys Ala Arg Asp His Phe Asp Leu Leu Phe Asp Pro Trp
 95 100 105
 Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro
 110 115 120 125
 Ser Val Phe Pro Leu Ala Xaa Ser Ser Lys Ser
 130 135

<210> 889
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -41..-1

<400> 889
 Met Ala Cys Arg Glu Arg Pro Arg Pro Leu Leu Trp Arg Ser Arg Gly
 -40 -35 -30
 Arg Phe Phe Asn Trp Gly Lys Leu Phe Phe Cys Phe Val Leu Xaa Leu
 -25 -20 -15 -10
 Phe Cys Phe Val Phe Glu Ala Glu Ser Arg Ser Val Ala Gln Ala Gly
 -5 1 5
 Val Gln Trp Arg Tyr Phe Gly Ser Leu Gln Ala Leu Pro Pro Trp
 10 15 20

<210> 890
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 890
 Met His Glu Phe Ile Ser Gly Phe Phe Ile Leu Phe His Trp Ser Leu
 -20 -15 -10
 Cys Leu Cys Leu Cys Gln Tyr His Ala
 -5 1

<210> 891
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 891
 Met Ala Tyr Ala Ile Ser Pro Phe His Ser Ser Trp Asn Pro Leu Phe
 -40 -35 -30

Thr Ser His Lys Ala Ser Ala Ser His Ser His Leu Gly Leu Leu Val
 -25 -20 -15
 Cys Leu Phe Ala Val Thr Ser Ile Leu Cys Ser Ser
 -10 -5 1

<210> 892
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 892
 Met Ser Pro Val Leu Leu Leu Ala Leu Leu Gly Phe Ile Leu Pro Leu
 -15 -10 -5 1
 Pro Gly Ser Ala Xaa Ala Xaa Ser Ala Ser Leu Gly Gln Phe Ser Met
 5 10 15
 Cys Gly Arg Cys Pro Thr Cys Pro Gly Asn Gly Pro Leu Arg Thr Pro
 20 25 30
 Ala Ala Thr Xaa Xaa Xaa Val Pro Gly His Val Asp
 35 40 45

<210> 893
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 893
 Met Ala Thr Ala Met Asp Trp Leu Pro Trp Ser Leu Leu Leu Phe Ser
 -20 -15 -10
 Leu Met Cys Glu Thr Ser Ala Phe Tyr Val Pro Gly Val Ala Pro Ile
 -5 1 5
 Asn Phe His Gln Asn Asp Pro Val Glu Ile Lys Ala Val Lys Leu Thr
 10 15 20 25
 Ser Ser Arg Thr Gln Leu Pro Tyr Glu Tyr Tyr Ser Leu Pro Phe Cys
 30 35 40
 Gln Pro Ser Lys Ile Thr Tyr Lys Ala Glu Asn Leu Gly Glu Val Leu
 45 50 55
 Arg Gly Asp Arg Ile Val Asn Thr Pro Phe Gln Val Leu Met Asn Ser
 60 65 70
 Glu Lys Lys Cys Glu Val Leu Cys Ser Gln Ser Asn Lys Pro Val Thr
 75 80 85
 Leu Thr Val Glu Gln Ser Arg Leu Val Ala Glu Arg Ile Thr Glu Asp
 90 95 100 105
 Tyr Tyr Val His Leu Ile Ala Asp Asn Leu Pro Val Ala Thr Gly Trp
 110 115 120
 Ser Ser Thr Pro Thr Glu Thr Ala Met Thr
 125 130

<210> 894
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 894
 Met Pro Ser Pro Cys Leu Ile Ser Leu Leu Gln Cys Ala His Val Ser
 -15 -10 -5
 Leu Gly Leu Gln Tyr Pro Cys Xaa Leu Leu Leu Pro
 1 5 10

<210> 895
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 895
 Met Asn Leu Ser Leu Val Leu Ala Ala Phe Cys Leu Gly Ile Ala Ser
 -15 -10 -5
 Ala Val Pro Lys Phe Asp Gln Asn Leu Asp Thr Lys Trp Tyr Gln Trp
 1 5 10 15
 Lys Ala Thr His Arg Arg Leu Tyr Gly Ala Asn Glu Glu Gly Trp Arg
 20 25 30
 Arg Ala Ala Trp Glu
 35

<210> 896
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 896
 Met Glu Phe Gly Leu Asn Trp Val Phe Leu Val Ala Ile Phe Thr Gly
 -15 -10 -5
 Val His Cys Glu Val Gln Leu Val Glu Ser Gly Gly Asp Leu Val Gln
 1 5 10
 Pro Gly Arg Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe
 15 20 25
 Gly Asp Tyr Ala Met Thr Trp Phe Arg Gln Ala Ser Gly Lys Arg Leu
 30 35 40 45
 Glu Trp Leu Gly Phe Ile Arg Asn Arg Gly Ser Gly Gly Ser Ala Glu

50 55 60
Tyr Gly Ala Ser Val
65

<210> 897
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 897
Met Lys Asn Cys Leu Leu Ile Leu Leu Met Leu Leu Leu Phe Ala Ile
-15 -10 -5
His Ile Asn Arg Met Asn Val Arg Asn Val Gly Asn Thr Leu Val Val
1 5 10 15
Val Gln Ile Leu Phe Ser Ile Arg Val Phe Ile Leu Glu Arg Asn Pro
20 25 30
Leu Asn Val

<210> 898
<211> 149
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 898
Met Glu Leu Gly Leu Ser Trp Ile Phe Leu Leu Ala Ile Leu Lys Gly
-15 -10 -5
Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
1 5 10
Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
15 20 25
Asp Asp Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
30 35 40 45
Glu Trp Val Ser Gly Ile Thr Trp Asn Ser Gly Xaa Ile Gly Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
65 70 75
Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Phe
80 85 90
Tyr Phe Cys Ala Lys Ala Arg Gly Leu Phe Ser Asp Thr Trp Pro Tyr
95 100 105
Xaa His Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val
110 115 120 125
Ser Ser Ala Ser Thr
130

<210> 899

<211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 899
 Met Leu Leu Val Phe Phe Val Leu Trp Thr Cys Ser Leu Ala Leu Leu
 -10 -5 1
 Ala Ser Ser Pro Ile Ala Ala Xaa Pro
 5 10

<210> 900
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 900
 Met Asp Trp Thr Trp Arg Ile Leu Leu Leu Val Ala Ala Ala Thr Asp
 -15 -10 -5
 Ala Ser Ser Gln Met Gln Leu Leu Gln Ser Gly Pro Glu Val Lys Lys
 1 5 10
 Thr Gly Ser Ser Val Lys Leu Ser Cys Thr Ala Ser Gly Asp Thr Leu
 15 20 25
 Ala Tyr His Tyr Leu His Trp Val Arg Gln Ala Pro Gly Gln Ala Leu
 30 35 40 45
 Glu Trp Met Gly Trp Ile Thr Pro Phe Ser Gly Asp Thr Asn Phe Ala
 50 55 60
 Gln Arg Phe Gln Asp Arg Leu Thr Phe Thr Arg Asp Arg Ser Met Ser
 65 70 75
 Thr Val Tyr Met Thr Leu Thr Ser Leu Ile Ser Glu Asp Thr Ala Met
 80 85 90
 Tyr Tyr Cys Ala Thr Asp Gly Arg Arg Thr Asn Arg Leu Phe Glu
 95 100 105

<210> 901
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 901
 Met Ala Gly Gln Leu Leu Gly Cys Leu Leu Trp Leu Leu Thr His Ile
 -15 -10 -5
 Lys Ala Gln Asp Ser Val Arg Asp Ala Tyr Trp Lys Thr Gly Ser Cys

1 5 10
 Pro Pro Pro Phe Leu His Val Ser Thr Phe Xaa Xaa Lys Leu Thr Phe
 15 20 25 30
 Ser Thr Lys Gly Asn Leu Leu His Ser Ile Pro Leu Ser Ser Pro Leu
 35 40 45
 Ala Cys Val Leu
 50

<210> 902
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -91..-1

<400> 902
 Met Lys Glu Ala Val Pro Pro Gly Cys Thr Lys Ser Pro Ser His Phe
 -90 -85 -80
 Ser Glu Gly Phe Asp Arg Trp Ala Leu Glu Glu Thr Pro Pro Glu Asn
 -75 -70 -65 -60
 Leu Ile Gly Ala Leu Leu Ala Ile Phe Gly His Leu Val Val Ser Ile
 -55 -50 -45
 Ala Leu Asn Leu Gln Lys Tyr Cys His Ile Arg Leu Ala Gly Ser Lys
 -40 -35 -30
 Asp Pro Arg Ala Tyr Phe Lys Thr Lys Thr Trp Trp Leu Gly Leu Phe
 -25 -20 -15
 Leu Met Leu Leu Gly Glu Leu Gly Val Phe Ala Ser Tyr Ala Phe Ala
 -10 -5 1 5
 Pro Leu Ser Leu Ile Val Pro Leu Ser
 10

<210> 903
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 903
 Met Ala Phe Leu Trp Leu Leu Ser Cys Trp Ala Leu Leu Gly Thr Thr
 -15 -10 -5
 Phe Gly Cys Gly Val Pro Ala Ile His Pro Gly Cys Gln Leu Ser Pro
 1 5 10
 Arg Leu Pro Pro Thr Leu Leu Pro Thr Glu Arg Gly
 15 20 25

<210> 904
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 904

Met Ala Pro Phe Gln Asn Phe Leu Trp Leu Phe Phe Val Leu Asn Leu
-20 -15 -10 -5
Gly Ser Phe Ala Phe Ser Ser Xaa Pro Asn Ser Leu Phe Tyr Thr Ile
1 5 10
His Phe Gly Pro Asn Phe Phe Thr Leu Leu Tyr Lys Gln Gly Ala Glu
15 20 25
Met Cys Val Tyr Val Phe Asn Phe Leu Tyr Pro Phe Ala Leu Gly Tyr
30 35 40
Phe Phe Ser Tyr Asp Ile Leu Asp Leu Pro Val Xaa Val Arg Pro Pro
45 50 55 60
Ser Gly

<210> 905
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -35..-1

<400> 905

Met Asp Phe Thr Gln Cys His Ser Leu Leu Leu Arg Val Glu Tyr Ser
-35 -30 -25 -20
Pro Val Ser Val Cys Phe Leu Leu Leu Ser Val Ala Phe Asn Gln Leu
-15 -10 -5
Val Phe Ala Leu Tyr Pro Ile Gln Ala Thr Xaa Cys Phe Ser Xaa Val
1 5 10
Ser Leu Pro Phe Pro Ala
15

<210> 906
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 906

Met Leu Leu Leu Leu Leu Ala Cys Gly Val Pro Ser Leu Trp Pro Phe
-15 -10 -5 1
Ala Leu Ala Leu Leu Lys Thr
5

<210> 907
<211> 43

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -23..-1

<400> 907
Met Phe Ile Glu Asn Ile Gly Leu Lys Phe Ser Phe Leu Leu Leu His
 -20 -15 -10
Leu Cys Gln Val Leu Leu Ser Arg Arg Ala Gly Thr Ile Pro Thr Glu
 -5 1 5
Thr Ile Pro Lys Lys Leu Arg Arg Arg Asp Gly
10 15 20

<210> 908
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -24..-1

<400> 908
Met Gln Asn Arg Thr Gly Leu Ile Leu Cys Ala Xaa Ala Leu Leu Met
 -20 -15 -10
Gly Phe Leu Met Val Cys Leu Gly Ala Phe Phe Ile Ser Trp Gly Ser
 -5 1 5
Ile Phe Asp Cys Gln Gly Ser Leu Ile Ala Ala Tyr Leu Leu Leu Pro
10 15 20
Leu Gly Phe Val Ile Leu Leu Ser Gly Ile Phe Trp Ser Asn Tyr Arg
25 30 35 40
Gln Val Thr Glu Ser Lys Gly Val Leu Arg His Met Leu Arg Gln His
 45 50 55
Leu Ala His Gly Ala Leu Pro Val Ala Thr Val Asp Ser Ala Ala Leu
60 65 70
Leu Lys Ile Met Cys Lys Gln Leu Leu
75 80

<210> 909
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -44..-1

<400> 909
Met Lys Val Glu Gly Glu Glu Lys Leu Tyr Arg Leu Leu Arg Ser Gly
 -40 -35 -30
Asp Leu Phe Lys Phe His Gln Pro His Phe Tyr Glu Leu Ser Gly Leu
 -25 -20 -15

Thr Cys Thr Ser Ser Leu Leu Ser Phe Ala Leu Gly Arg Ser Ile Pro
 -10 -5 1
 Gly Ser Phe Pro
 5

<210> 910
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 910
 Met Glu Ser Arg Thr Leu Leu Leu Leu Phe Ser Gly Ala Val Ala Leu
 -15 -10 -5
 Ile Gln Thr Trp Ala Gly Glu Cys Gly Val Gly Arg Glu Lys Ala Ser
 1 5 10
 Ala Gly Arg Ser Glu Gly Pro Ala Arg Arg Ser Lys Ser Ala His Ile
 15 20 25
 Xaa Asn Tyr Arg Leu Gln Leu Gln Ser Arg Gln Gly
 30 35 40

<210> 911
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 911
 Met Ser Asn Ser Val Pro Leu Leu Cys Phe Trp Ser Leu Cys Tyr Cys
 -15 -10 -5
 Phe Ala Ala Gly Ser Pro Val Pro Phe Gly Pro Glu Gly Arg Leu Glu
 1 5 10 15
 Asp Lys Leu

<210> 912
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 912
 Met Pro Trp Thr Ile Leu Leu Phe Ala Ala Gly Ser Leu Ala Ile Pro
 -10 -5 1
 Ala Pro Ser Ile Arg Val Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp
 5 10 15

Pro Ile His Ile Ala Cys Met Ala Ala Gly Asn Phe Pro Gly Ala Asn
 20 25 30
 Phe Thr Leu Tyr
 35

<210> 913
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -64..-1

<400> 913
 Met Ala Glu Gly Glu Arg Val Cys Ala Ser Val Val Pro Ser Ala Leu
 -60 -55 -50
 Arg Thr Leu Lys Arg Arg Ser Asn Leu Ser Arg Ile Pro Ala Gly Gln
 -45 -40 -35
 Glu Lys Glu Gly Lys Ser Arg His Val Ala Pro Pro Phe Arg Phe Phe
 -30 -25 -20
 Pro Phe Ser Gly Phe Leu Phe Phe Gly Phe Leu Phe Pro Val Phe Ser
 -15 -10 -5
 Phe Pro Ser
 1

<210> 914
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 914
 Met Phe Cys Leu Ala Ala Ile Leu Ala Ser Ala Ser Ala Gln Arg Phe
 -10 -5 1
 Pro Ser Ala Phe Ser Pro Ser Pro Phe Xaa Trp Leu Xaa Gln Cys Xaa
 5 10 15
 Thr Ala Thr Ser Leu Gly Phe Xaa Thr Val Cys Xaa Asn Ser Ile Ile
 20 25 30 35
 Ser Leu Trp Tyr Leu Xaa Gly Val Pro Pro Glu Val Xaa Glu Leu Pro
 40 45 50
 Phe Phe Pro Tyr Cys Ser Met
 55

<210> 915
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL

<222> -17..-1

<400> 915

Met	Val	Asp	Gly	Thr	Leu	Leu	Leu	Leu	Leu	Ser	Glu	Ala	Leu	Ala	Leu
		-15					-10					-5			
Thr	Gln	Thr	Trp	Ala	Gly	Ser	His	Ser	Xaa	Lys	Tyr	Phe	His	Thr	Ser
1					5					10					15
Val	Ser	Arg	Xaa	Gly	Arg	Gly	Glu	Pro	Arg	Phe	Ile	Ser	Val	Gly	Tyr
				20					25					30	
Val	Asp	Asp	Thr	Arg	Ser	Glu	Tyr	Trp	Asp	Arg	Glu	Thr	Arg	Ser	Ala
			35					40					45		
Arg	Asp	Thr	Ala	Gln	Ile	Phe	Arg	Val	Asn	Leu	Arg	Thr	Leu	Arg	Gly
			50				55					60			
Tyr	Tyr	Asn	Gln	Ser	Glu	Ala	Gly	Ser	Xaa	Thr	Leu	Gln			
65						70					75				

<210> 916

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -27..-1

<400> 916

Met	Asn	Phe	Arg	Gly	Pro	Gln	Thr	Phe	Ser	Leu	Ser	His	Ser	Leu	Val
		-25					-20					-15			
Leu	Ser	Leu	Ile	Ser	Leu	Ser	Ile	Ala	Trp	Ser	Met	Val	Glu	Met	Xaa
		-10				-5					1				5
Thr	Ser	Ala	Ser	Tyr	Lys	Gln	Lys	Phe	Ala	Leu	Arg	Ile	Leu	Val	Val
				10				15						20	
Gln	Leu	Pro	Thr	Trp	Val	Glu	Cys	Pro	Val	Asn	His	Arg	Cys	Ala	Leu
			25					30					35		
Gly	Arg	Lys	Asn	Cys	Ser	Ile	Arg	Thr	Gln	Pro					
		40					45								

<210> 917

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 917

Met	Thr	Gly	Ile	Ser	Ile	Cys	Ser	Cys	Ile	Cys	Leu	Phe	Leu	Pro	Ser
		-20				-15				-10					-5
Leu	Ile	His	Ser	Phe	Pro	Pro	Pro	Cys							
			1					5							

<210> 918

<211> 98

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -26..-1

<400> 918
Met Asp Leu Leu Cys Lys Asn Met Lys His Leu Trp Phe Phe Leu Leu
-25 -20 -15
Leu Val Ala Ala Pro Arg Trp Val Gln Leu Gln Glu Ser Gly Pro Arg
-10 -5 1 5
Leu Val Arg Pro Pro Glu Thr Leu Lys Pro Ser Glu Thr Leu Ser Leu
10 15 20
Thr Cys Thr Ile Ser Gly Asp Ser Met Ser Ser Ala Ser Tyr Tyr Trp
25 30 35
Ala Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Phe Ile Gly Arg
40 45 50
Ala Leu Tyr Ser Gly Thr Thr Asp Tyr Asn Pro Ser Leu Ser Ser Arg
55 60 65 70
Ile Thr

<210> 919
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -45..-1

<400> 919
Met Ser Ser Glu Lys Ser Gly Leu Pro Asp Ser Val Pro His Thr Ser
-45 -40 -35 -30
Pro Pro Pro Tyr Asn Ala Pro Gln Pro Pro Ala Glu Pro Pro Ala Pro
-25 -20 -15
Pro Leu Ser Leu Ser Leu Cys Leu Ser Leu Cys His Thr His Thr His
-10 -5 1
Thr His Thr His
5

<210> 920
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -28..-1

<400> 920
Met Thr Pro Ala Leu Arg Cys Ala Phe Ala Leu Ala Ile Ala Gly Leu
-25 -20 -15
Val Ser Leu Leu Met Gln Pro Glu Gly Ala Leu Gly Glu Glu Ala Ala

-10 -5 1
 Ser Ala Ala Ala Gln Gly Arg Gln Leu Ala Glu Leu Arg Leu
 5 10 15

<210> 921
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -38..-1

<400> 921
 Met Ser Gly Leu Phe Pro Val Pro Val Arg Val Asn Val Asp Ile Ala
 -35 -30 -25
 Gln Asn Ile Thr Cys Ser Ser Phe Ser Leu Leu Leu Ile Phe Leu Ser
 -20 -15 -10
 Phe Pro Tyr Thr Leu Cys Ile Leu Tyr Arg Val Lys Ser Tyr Thr Pro
 -5 1 5 10
 Thr Glu Ser Ile Thr Ala Phe Asn Leu Thr Ile Gly Xaa Phe Pro Tyr
 15 20 25
 Leu Xaa Xaa Ser Thr Pro
 30

<210> 922
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 922
 Met Cys Arg Ala Ala Cys Ile Ile Arg Met Ala Val Arg Ile Ser Phe
 -30 -25 -20
 Phe Leu Ser Tyr His Ala Leu Ser Leu Cys Leu Cys Thr Cys Ala Phe
 -15 -10 -5
 Ala Phe Leu Ser Leu Leu Gly
 1 5

<210> 923
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 923
 Met Lys Phe Leu Leu Leu Xaa Ala Leu Gly Phe Leu Xaa Gln Val Asn
 -15 -10 -5

Pro Xaa Pro Ile Xaa Gly Gly Ser Lys Met Cys Glu Xaa His Pro Arg
 1 5 10 15
 Ile Leu Gln Asp Met Leu Pro Leu Gly Gly Asp Ser Ile Val His Val
 20 25 30
 Gln Arg Xaa Gln Lys Met Leu His Gln Leu Leu
 35 40

<210> 924
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 924
 Met Val Pro Trp Val Arg Thr Met Gly Gln Lys Leu Lys Gln Arg Leu
 -40 -35 -30
 Arg Leu Asp Val Gly Arg Glu Ile Cys Arg Gln Tyr Pro Leu Phe Cys
 -25 -20 -15
 Phe Leu Leu Leu Cys Leu Ser Ala Ala Ser Leu Leu Leu Asn Arg Tyr
 -10 -5 1 5
 Ile His Ile Leu Met Ile Phe Trp Ser Phe Val Ala Gly Val Val Thr
 10 15 20
 Phe Tyr Cys Ser Leu Gly Pro Asp Ser Leu Leu Pro Asn Ile Phe Phe
 25 30 35
 Thr Ile Lys Tyr Lys Pro Lys Gln Leu Gly Leu Gln Glu Leu Phe Pro
 40 45 50
 Gln Gly His Ser Cys Ala Val Cys Gly
 55 60

<210> 925
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -34..-1

<400> 925
 Met Ala Trp Gly Ser Pro Gly Lys Ile Phe Leu Met Gly Phe Leu Gly
 -30 -25 -20
 Gly Glu Leu Val Phe Leu Leu Cys Leu Phe Xaa Leu Phe Phe Phe Ser
 -15 -10 -5
 Phe Leu Lys Arg Ser Phe Ala Leu Glu Cys Asn
 1 5

<210> 926
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 926

Met Phe Phe Ser Ile Leu Leu Leu Leu Ala Pro Pro Leu Pro Ser Ala
-15 -10 -5
Val Ser Leu Leu Pro Phe Phe Phe Tyr Cys Val Gln
1 5 10

<210> 927

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -22..-1

<400> 927

Met Val Asp Phe Ile Leu Arg Ser Leu Leu Leu Val Cys Ser Trp Leu
-20 -15 -10
Ser Ile Ser Leu His Ala His Thr Thr Ala Phe Cys Thr Tyr Ser Lys
-5 1 5 10
Lys Ile His Thr Val Met Ser Phe Phe Cys
15 20

<210> 928

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 928

Met Arg Ser Leu Leu Tyr Phe Leu Cys Val Ser Ser Tyr Val Thr Ser
-15 -10 -5
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10

<210> 929

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 929

Met Pro Phe Ile Ser Phe Leu Cys Leu Ile Ala Leu Ala Gly Thr Ser
-15 -10 -5 1

Ser Thr Met Leu Arg Ser Ala Leu Ala Gly Thr Ser Ser Thr Met Xaa
 5 10 15
 Xaa Arg Ser Gly Xaa Ser Gly Xaa Pro Xaa Leu Val Xaa Val Leu Arg
 20 25 30
 Gly Asn Ala Phe Ser Phe Phe Pro Phe Ser Leu Met Xaa Ala Met Gly
 35 40 45
 Cys His Arg Trp
 50

<210> 930
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 930
 Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser
 -15 -10 -5
 Arg Ile Leu Leu Val Lys
 1 5

<210> 931
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 931
 Met Cys Leu Cys Pro Cys Trp Asp Val Phe Thr Val Phe Val Cys Val
 -40 -35 -30
 Ser Val Cys Val Ser Val Ser Val Pro Val Gly Met Tyr Leu Val Cys
 -25 -20 -15
 Val Cys Val Cys Val Cys Val Cys Xaa Cys Xaa Arg
 -10 -5 1

<210> 932
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -34..-1

<400> 932
 Met Leu Ile Ala Lys Gln Ala Gln Pro Gln Gly Leu Thr Ala Ile Cys
 -30 -25 -20
 Phe Pro Leu Thr Pro Leu Phe Ser Leu Leu Met Leu Thr Gln Ser Pro

<400> 935

Met Glu Phe Gly Leu Lys Trp Leu Phe Leu Val Ala Ile Leu Lys Gly
-15 -10 -5
Val Arg Cys Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln
1 5 10
Pro Gly Gly Ser Leu Arg Leu Ser Cys Val Gly Ser Gly Phe Val Phe
15 20 25
Asp Lys Tyr Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
30 35 40 45
Gln Trp Val Ala Gly Ile Gly Gly Gly
50

<210> 936

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 936

Met Ala Leu Ala Met Leu Val Leu Val Val Ser Pro Trp Ser Ala Ala
-15 -10 -5
Arg Gly Val Leu Arg Asn Tyr Trp Glu Arg Leu Leu Arg Lys Leu Pro
1 5 10 15
Gln Ser Arg Pro Gly Phe Pro Ser Pro Pro Trp Gly Pro Ala Leu Ala
20 25 30
Val Gln Gly Pro Ala Met Phe Thr Glu Pro Ala Asn Asp Thr Ser Gly
35 40 45
Ser Lys Glu Asn Ser Ser Leu Leu Asp Ser Ile Phe Trp Met Ala Ala
50 55 60
Pro Lys Asn Arg Arg Thr Ile Glu Val Asn Arg Cys Arg Arg Arg Asn
65 70 75 80
Pro Gln Lys Leu Ile Lys Val Lys Asn Asn Ile Asp Val Cys Pro Glu
85 90 95
Cys Gly His Leu Lys Gln Lys Xaa Val Leu Cys Ala Thr Ala Met Lys
100 105 110

<210> 937

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 937

Met Phe Phe Tyr Ser His Phe Leu Leu Leu Phe Pro Leu Ser Leu Leu
-20 -15 -10 -5
Phe Thr Leu Gly Phe Leu Phe Val Phe Phe Phe Phe Phe
1 5 10

<210> 938
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -46..-1

<400> 938
 Met Lys Gln Ser Lys Arg Xaa Met Val Lys Arg Arg Arg Ser Pro Ala
 -45 -40 -35
 Leu Gly Glu Glu Arg Phe Ser Pro Ser Ser Ile Leu His Pro Arg Leu
 -30 -25 -20 -15
 Pro Leu Val Leu Leu Gly Thr Arg Val Pro Leu Ser Gly Gly Gly Pro
 -10 -5 1
 Gly Glu Pro Asp Gln Gly Arg Ser Ala Pro Ser Trp Lys Ser Leu Ala
 5 10 15
 Ser Thr His Xaa His Ser Arg Pro Ala Ala Gly Ala Thr Pro Ala Arg
 20 25 30
 Pro Ala Thr Gln Ser Gln Leu Gly Pro Phe Ala Pro Pro Leu Pro Gly
 35 40 45 50
 Val Arg Pro Ala Pro
 55

<210> 939
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 939
 Met Leu Leu Glu Ser Leu Cys Val Leu Ser Leu Leu Val Ser Phe Lys
 -15 -10 -5
 Ser Ala Cys Leu Thr Arg Glu Pro Ala Phe Asp Ser Gln Ala Arg Pro
 1 5 10

<210> 940
 <211> 94
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -46..-1

<400> 940
 Met Val Phe Gly Tyr Trp Lys Gln Pro Leu Ile Thr Leu Ala Lys Lys
 -45 -40 -35
 Ser Val Lys Cys Ala Arg Glu Cys Leu Arg Cys Ser Leu Arg Pro Leu

<220>
<221> SIGNAL
<222> -39..-1

<400> 943
Met Ser Ile Leu Leu Arg Val Leu Gly Ile Lys Gly Cys Trp Ile Leu
 -35 -30 -25
Ser Asn Pro Phe Ser Ala Cys Ile Glu Met Ile Leu Leu Phe Leu Phe
 -20 -15 -10
Leu Ile Leu Phe Ile Trp His Ile Arg
 -5 1

<210> 944
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25..-1

<400> 944
Met Ala Glu Lys Ala Gly Ser Thr Phe Ser His Leu Leu Val Pro Ile
-25 -20 -15 -10
Leu Leu Leu Ile Gly Trp Ile Val Gly Cys Thr
 -5 1

<210> 945
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 945
Met Ala Glu Ser Arg Gly Arg Leu Tyr Leu Trp Met Cys Leu Ala Ala
 -15 -10 -5
Ala Leu Ala Ser Phe Leu Met Gly Phe Met Val Gly Trp Phe Ile Lys
 1 5 10
Pro Leu
 15

<210> 946
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -26..-1

<400> 946

Met Leu Thr Ser Leu Pro Phe Leu Leu Pro Thr Ile Ser Phe Leu Leu
 -25 -20 -15
 Leu Leu Tyr Phe Phe Xaa Ile Ala Val Thr His Pro Ser Val Leu Ile
 -10 -5 1 5
 Asn Phe Ser Phe Ser Phe Pro Arg
 10

<210> 947
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 947
 Met Arg Lys Asp Val Arg Phe Leu Leu Phe Phe Thr Cys Gly Leu Pro
 -20 -15 -10 -5
 Ala Leu His Gly Asp Ser Arg Val Glu Cys Ser Lys Ala His Pro Pro
 1 5 10
 Ala Met Tyr Tyr
 15

<210> 948
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 948
 Met Leu Phe Trp Leu Pro Ser Pro Ser Glu Thr Thr Ser Ala Trp Thr
 -25 -20 -15
 Leu Leu Ser Ile Ser Leu Ser Val Phe Trp Ser Glu Pro Phe Asn Lys
 -10 -5 1 5
 Ser Leu Gly Ser Ser Lys Leu Pro Cys His Phe Phe Ser Ile Lys Arg
 10 15 20

<210> 949
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -47..-1

<400> 949
 Met Pro Val Cys Phe Tyr Ser Leu Ile Cys Phe Phe Ile Tyr Phe Cys
 -45 -40 -35
 Leu Leu Ser Pro Arg Glu Thr Ile Glu Glu Val Ala Leu Phe Gln Phe

-30 -25 -20
 Ser Leu Leu Xaa Leu Gly Glu Gly Leu Thr Phe Leu Cys Leu Cys Gln
 -15 -10 -5 1
 Val Met Thr Asn Xaa Met Gln Leu Leu Phe Leu Ser Gly Val Val Cys
 5 10 15
 Gly

<210> 950
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 950
 Met Ala Pro Leu Leu Leu Ser Leu Ser Cys Ser Phe Ser Cys His Val
 -10 -5 1
 Thr Leu Leu Pro Arg
 5

<210> 951
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 951
 Met Val Pro Ala Ala Gly Ala Leu Leu Trp Val Leu Leu Leu Asn Leu
 -20 -15 -10 -5
 Gly Pro Arg Ala Ala Gly Ala Gln Gly Leu Thr Gln Thr Pro Thr Glu
 1 5 10
 Met Gln Arg Val Ser Leu Arg Phe Gly Gly Pro Met Thr Arg Arg
 15 20 25

<210> 952
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 952
 Met Val Phe Trp Glu Ile Ser Val Gln Ile Ile Leu Ile Ser Glu Leu
 -20 -15 -10
 Leu Leu Leu Arg Ser Val Thr Ser His Asn Thr Met Met Arg Ala Leu
 -5 1 5
 Ser Ser Gln Met Leu Ser Gln Ser Phe Pro Arg Pro Ser Phe Gly Phe

10 15 20
 Ile Ser Lys Ile His Pro Ser His Pro Pro
 25 30

<210> 953
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -51..-1

<400> 953
 Met Phe Phe Leu Asn Ile Ala Met Phe Ile Val Val Met Val Gln Ile
 -50 -45 -40
 Cys Gly Arg Asn Gly Lys Arg Ser Asn Arg Thr Leu Arg Glu Glu Val
 -35 -30 -25 -20
 Leu Arg Asn Leu Arg Ser Val Val Ser Leu Thr Phe Leu Leu Gly Met
 -15 -10 -5
 Thr Trp Gly Phe Ala Phe Phe Ala Trp Gly Pro Leu Asn Ile Pro Phe
 1 5 10
 Met Tyr Leu Phe Ser Ile Phe Asn Ser Leu
 15 20

<210> 954
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 954
 Met Asn Lys His Phe Leu Phe Leu Phe Leu Xaa Xaa Leu Ile Val
 -15 -10 -5
 Ala Val Thr Ser Leu Gln Cys Ile Thr Cys His Leu Arg Thr Arg Thr
 1 5 10 15
 Asp Arg Cys Arg Arg Gly Phe Gly Xaa Cys Thr Ala Gln Lys Gly Glu
 20 25 30
 Ala Cys Met Leu Leu Arg Ile His Gln Arg
 35 40

<210> 955
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -35..-1

<400> 955

Met Tyr Ile Lys Met Glu Ser Val Thr Leu Ser Pro Ala Pro Val Phe
 -35 -30 -25 -20
 Pro Val Pro Ala Gln Leu Leu Leu Thr Ser His Phe Leu Gly Glu
 -15 -10 -5
 Ser Leu Gly Gly Gly Thr Leu Leu Val Pro Leu Leu Pro Pro Gly
 1 5 10

<210> 956
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 956
 Met Xaa Xaa Ala Leu Leu Arg Ser Arg Met Ile Gln Gly Arg Ile Leu
 -25 -20 -15
 Leu Leu Thr Ile Cys Ala Ala Gly Ile Xaa Gly Thr Arg Gln Phe Gly
 -10 -5 1 5
 Tyr Asn Leu Ser Ile Ile Asn Asp
 10

<210> 957
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -47..-1

<400> 957
 Met Met Gly Xaa Leu Cys Pro Arg Ser Leu Pro Ile Pro Pro Met Ile
 -45 -40 -35
 Leu Ser Trp Trp Lys Met Gln Trp Lys Pro Leu Ala Leu Glu Asn Phe
 -30 -25 -20
 Ser Gly Ser Cys Leu Phe Ser Xaa Ala Trp Leu Xaa Cys Xaa Cys His
 -15 -10 -5 1
 Gly Asp Asp Asp Leu Ser
 5

<210> 958
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 958
 Met Gly Leu Leu Gln Leu Leu Ala Phe Ser Phe Leu Gly Asn Ser Val

<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 962
Met Val Leu Leu Ser Leu Ser Leu Trp Gly Ile Ser Thr Leu Ser Ser
-15 -10 -5 1
Thr Thr Ile Glu Leu Ile Tyr Thr Pro Ile Gly
5 10

<210> 963
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25..-1

<400> 963
Met Ala Ser Leu Leu Ser Gly Phe Thr Ser Phe Cys Leu Leu His Val
-25 -20 -15 -10
His Ser Phe Leu Pro Pro Val Phe Ser Thr Gln Asn
-5 1

<210> 964
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -30..-1

<400> 964
Met Glu Thr Ala Leu Xaa Xaa Thr Pro Gln Lys Arg Gln Val Met Phe
-30 -25 -20 -15
Leu Ala Ile Leu Leu Xaa Xaa Trp Glu Ala Gly Ser Glu Ala Val Arg
-10 -5 1
Tyr Ser Ile Pro Glu Glu Thr Glu Ser Gly
5 10

<210> 965
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -35..-1

<400> 965

Met Met Leu Asp Phe Ala Leu Ser Pro Arg Leu Glu Arg Ser Gly Leu
-35 -30 -25 -20
Ile Met Ala Cys Cys Thr Leu Asp Leu Leu Gly Ser Ser Ser Pro Pro
-15 -10 -5
Thr Ser Ala Ser Gln Val Ala Gly Thr Gly His Val Pro Pro His Pro
1 5 10
Ala Ser Phe Phe Tyr Phe Xaa Val Xaa Gln Val Tyr Tyr Val Ser Gln
15 20 25
Leu Ile
30

<210> 966

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -22...-1

<400> 966

Met Arg Thr Pro Gln Leu Ala Leu Leu Gln Val Phe Phe Leu Val Phe
-20 -15 -10
Pro Asp Gly Val Arg Pro Gln Pro Ser Ser Ser Pro Ser Gly Ala Val
-5 1 5 10
Pro Thr Ser Leu Glu Leu Gln Arg Gly Thr Asp Gly Gly Thr Leu Gln
15 20 25
Ser Pro Ser Glu Ala Thr Ala Thr Arg Pro Ala Val Pro Gly Leu Arg
30 35 40

<210> 967

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -21...-1

<400> 967

Met Pro Arg Pro Arg Ala Cys Ala Ser Trp Pro Leu Leu Ala Ala Val
-20 -15 -10
Ser Gly Leu Arg Gly Leu Glu Trp Pro Pro Ser Trp Arg Arg Val Val
-5 1 5 10
Ala Ala Val Gly Val Cys Arg Val Arg Asp Trp Gly Pro Arg
15 20 25

<210> 968

<211> 23

<212> PRT

<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 968
Met Asn Gly Ile Phe Leu Leu Leu Ile Ser Val Leu Thr Val Ile Trp
 -15 -10 -5
Phe Trp Lys Thr His Pro Gly
 1 5

<210> 969
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 969
Met Val Phe Leu Val Xaa Leu Leu Cys Ile Ile Xaa Leu Tyr Leu Ile
 -15 -10 -5
Arg Gly Ser Glu Trp Xaa Leu Pro Pro Asn Trp
 1 5

<210> 970
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 970
Met Met Thr Leu Ala Leu Phe Phe Leu Leu Arg Ile Ala Leu Ala Ser
 -15 -10 -5
Trp Ala Leu Phe Trp Ile His Met Asn Phe Arg Arg Ala Phe Phe His
 1 5 10
Leu Arg Trp Phe Asp Ile Asn Ser Thr Glu Ser Val Asn Cys Phe Gly
15 20 25 30
Gln Tyr Gly Leu Ala
 35

<210> 971
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29..-1

<400> 971

Met Ser Ile Arg Ser Asn Trp Ser Ser Val Glu Ser Lys Ser Arg Ile
 -25 -20 -15
 Ser Leu Leu Val Phe Cys Leu Asn Asp Leu Ser Asn Ala Val Xaa Xaa
 -10 -5 1
 Gly Ile Glu Xaa Pro
 5

<210> 972
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16...-1

<400> 972
 Met Ala Trp Ile Pro Leu Phe Leu Gly Val Leu Ala Tyr Cys Thr Gly
 -15 -10 -5
 Ser Val Ala Ser Tyr Glu Leu Thr His Pro Pro Ser Val Ser Val Ser
 1 5 10 15
 Pro Gly Gln Thr Ala Ser Ile Thr Cys Ser Gly Asp Lys Leu Gly Asp
 20 25 30
 Lys Tyr Ala Cys Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu
 35 40 45
 Val Ile Tyr Gln Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe
 50 55 60
 Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr
 65 70 75 80
 Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser
 85 90 95
 Thr Val Val Phe Gly Gly Gly Thr
 100

<210> 973
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29...-1

<400> 973
 Met Val Cys Val Ile Phe Lys Glu Leu Met Glu Phe Glu Phe Pro Gly
 -25 -20 -15
 Phe Cys Phe Xaa Leu Cys Phe Gly Arg Ser Ser Leu Cys Cys Arg Xaa
 -10 -5 1

<210> 974
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 974
 Met Glu Ser Ser Gly Thr Pro Ser Val Thr Leu Ile Val Gly Ser Gly
 -30 -25 -20 -15
 Leu Ser Cys Leu Ala Leu Xaa Thr Leu Ala Val Val Tyr Ala Ala Leu
 -10 -5 1
 Trp Arg Tyr Ile Arg Ser Glu Arg Ser Ile Ile Leu Ile Asn Phe Cys
 5 10 15
 Leu Ser Ile Ile Ser Ser Asn Ile Leu Ile Leu Val Gly Gln Thr Gln
 20 25 30
 Thr His Asn Lys Glu Tyr Leu His Asn His His Cys Ile Phe
 35 40 45

<210> 975
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 975
 Met Gly Val Cys Cys Ala Gln Asn Cys Ser Val Ser Gly Xaa Xaa Arg
 -30 -25 -20
 Asn Ala Leu Xaa Phe Leu Ala Ser Ser Phe Cys Phe Gly Glu Ala Asp
 -15 -10 -5 1
 Ser Gly Ser Arg Cys Cys Leu Lys Ile Ile Leu Gly Phe Tyr Leu Ile
 5 10 15
 Arg Tyr Ser Leu Ile Thr Tyr Gln Val Arg
 20 25

<210> 976
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 976
 Met Lys Ile Leu Tyr Leu Phe Phe Phe Leu Lys Trp Ser His Pro Gly
 -15 -10 -5
 Trp Ser Ala Thr Xaa Trp Ser Trp His Thr Ala Thr Ser Ala Ser Leu
 1 5 10
 Ile Gln Val Ile Leu Pro Pro Trp
 15 20

<210> 977
 <211> 34

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -26..-1

<400> 977
Met Thr Pro Cys Phe Leu Gln Met Asp Asn Leu Thr Pro Leu Phe Leu
-25 -20 -15
Ser Gly Cys Phe Leu Phe Leu Ser Xaa Cys Xaa Ile Tyr Leu Ala Arg
-10 -5 1 5
Ile Leu

<210> 978
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -40..-1

<400> 978
Met Gly Ser Ala Gly Arg Leu His Tyr Leu Xaa Met Thr Ala Glu Asn
-40 -35 -30 -25
Pro Thr Pro Gly Asp Leu Ala Pro Xaa Pro Leu Ile Thr Cys Lys Leu
-20 -15 -10
Cys Leu Cys Glu Gln Ser Xaa Gly Gln Asp Asp His Thr Pro Gly Met
-5 1 5

<210> 979
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -49..-1

<400> 979
Met Asn His Leu Pro Pro Asn His Tyr Arg Xaa His Val Phe Thr Cys
-45 -40 -35
His Val Asp Gln Tyr Leu Thr Val Glu Thr Ala Gly Gly Met Glu Lys
-30 -25 -20
Glu Ala Val Ser Val Thr Val Leu Leu Ser Ala Ala Pro Cys Leu Leu
-15 -10 -5
Ser Cys Phe Leu Gly Ser Ser Val Ser Gly Leu Ala Phe Trp Val Ser
1 5 10 15
Gln Gln Lys Thr Lys Gly Pro Glu Arg Cys Lys Asn Thr His His Xaa
20 25 30
Ala Xaa Asn Asn Phe Pro Ala Arg
35

<210> 980
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 980
 Met Asn Lys Ile Lys Glu Asn Thr His Thr His Thr His Thr
 -40 -35 -30 -25
 His Lys Asn Asn Thr Lys Leu Val Ser Asn Leu Phe Leu Phe Met Leu
 -20 -15 -10
 Pro Leu Trp Cys Ser Ile Gly Thr Cys Thr
 -5 1

<210> 981
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 981
 Met His Asp Ser Ser Gly Lys Asn Asn Phe Arg Lys Ile Pro Val Val
 -40 -35 -30
 Asn Leu Ile Tyr Leu Tyr Val Asp Ile His Ile His Lys Leu Phe Leu
 -25 -20 -15
 Tyr Ser Leu Phe Thr Glu Asn Val Leu Ala His Pro Cys Ile Val Leu
 -10 -5 1 5
 Arg Arg Leu

<210> 982
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 982
 Met Gly Arg Leu His Arg Pro Arg Ser Ser Thr Ser Tyr Arg Asn Leu
 -30 -25 -20
 Pro His Leu Phe Leu Phe Phe Leu Phe Val Gly Pro Phe Ser Cys Leu
 -15 -10 -5
 Gly Ser Tyr Ser Arg
 1

<210> 983
 <211> 44

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -27..-1

<400> 983
Met Gln Ser Gln Ala Ala Arg Glu His Lys Pro Gly Xaa Ser Arg Leu
-25 -20 -15
Leu Leu Leu Leu Leu Leu Xaa Leu Pro Leu Pro Pro Pro Xaa Leu Arg
-10 -5 1 5
Thr Arg Xaa Phe Ser Xaa Thr Thr Leu Thr Ala Gly
10 15

<210> 984
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 984
Met Arg Leu Trp Ser Leu Ala Cys Leu Ser Pro Pro Ala Val Gln Leu
-15 -10 -5 1
Gly Ser Gln Gln Ala Thr Asp Trp Trp
5 10

<210> 985
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25..-1

<400> 985
Met Ser Pro Leu Phe Ile Leu Ile Val Leu Ile Trp Ile Phe Ser Phe
-25 -20 -15 -10
Phe Phe Phe Ile Thr Leu Val Arg Gly Ser Ile Asn Leu Phe Phe Phe
-5 1 5

<210> 986
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -22..-1

<400> 986

Met Asn Leu Gly Gly His Ser Asp His Ser Thr Phe Leu Phe Phe Leu
-20 -15 -10
Phe Phe Ser Val Phe Cys Phe Phe Phe
-5 1

<210> 987

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -21..-1

<400> 987

Met Leu Asp Phe Ala Ile Phe Ala Val Thr Phe Leu Leu Ala Leu Val
-20 -15 -10
Gly Ala Val Leu Tyr Leu Tyr Pro Ala Ser Arg Gln Ala Ala Gly Ile
-5 1 5 10
Pro Gly Ile Thr Pro Thr Glu Glu Lys Asp Gly Asn Leu Pro Asp Ile
15 20 25
Val Asn Ser Gly Ser Leu His Glu Xaa Leu Val Asn Leu His Glu Arg
30 35 40
Tyr Gly Pro Val Val Ser Phe Trp Phe Gly Arg Arg Leu Val Val Ser
45 50 55
Leu Gly Thr Val Asp Val Leu Lys Gln His Arg
60 65 70

<210> 988

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -18..-1

<400> 988

Met Ala His Cys Ser Leu Glu Leu Leu Gly Ser Ser Ser Pro Pro Ile
-15 -10 -5
Ser Ala Ser Gln Ser Thr Gly Ile Thr Ser Val Ser
1 5 10

<210> 989

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 989

Met Pro Ser Gln Leu Leu Leu Leu Ser Leu Ser Leu Phe Leu Phe Phe
 -15 -10 -5
 Trp Arg Gln Ser Leu Val Leu Trp Pro Arg Leu Glu Cys Ser Cys Val
 1 5 10 15
 Ile Ala Ala His Cys Ser Leu Thr Ser Gln Ala Arg
 20 25

<210> 990
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -46..-1

<400> 990
 Met Tyr Thr Asn Lys Tyr Thr Leu Ile Tyr Asn Ile Leu Ile Tyr Asn
 -45 -40 -35
 Ile Cys Xaa Xaa Tyr Met Trp Leu Ile Leu Ile Tyr Met Tyr Leu His
 -30 -25 -20 -15
 Ile Cys Leu Phe Cys Cys Xaa Phe Ile Ser Ser Cys Asn Ser Val Phe
 -10 -5 1
 Pro Cys Val Ile Xaa Phe Leu Leu Pro Glu Glu Leu Leu Xaa Val Xaa
 5 10 15
 Leu Xaa Xaa Xaa Phe Xaa Val Arg Trp Ser Leu Xaa Xaa Ser Ser Arg
 20 25 30
 Leu Glu Cys
 35

<210> 991
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 991
 Met Leu Leu Thr His Asn Glu Asp Tyr Met Pro Gly Asn Xaa Xaa Xaa
 -30 -25 -20
 Xaa Xaa Leu Trp Ser Leu Ile Gln Ala Val His Ile Cys Leu Gly Arg
 -15 -10 -5 1
 Lys Lys Lys

<210> 992
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 992

Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Ile Lys Gly
 -15 -10 -5
Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys
 1 5 10
Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 15 20 25
Ser Asp Tyr Xaa Xaa Thr Xaa Ile Arg Xaa Ala Xaa Gly Lys Gly Leu
30 35 40 45
Xaa Trp Ile Xaa Xaa Ile Thr Thr Ser Gly Asn Thr Ala Xaa Tyr Ala
 50 55 60
Xaa Ser Val Lys Xaa Arg Phe Thr Ile
 65 70

<210> 993

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 993

Met Lys Arg Phe Phe Leu Phe Val Cys Leu Xaa Phe Asp Glu Ser Cys
 -15 -10 -5
Ser Val Thr Arg Leu Gly Cys Cys Gly Ala Ile Ser Ala His Cys Xaa
 1 5 10 15
Leu Arg Leu Pro Gly Ser Ser Xaa Xaa Pro Ala Ser Thr Ser Arg Val
 20 25 30
Xaa Gly Ile Thr Gly Met Arg
 35

<210> 994

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -38..-1

<400> 994

Met Ser Cys His Ser Leu Leu Ala Cys Lys Val Phe Thr Glu Lys Ser
 -35 -30 -25
Pro Thr Lys His Ile Arg Glu His His Cys Met Leu Phe Val Ser Phe
 -20 -15 -10
Leu Leu Leu Leu Leu Gly Ser Arg
 -5 1

<210> 995

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 995

Met Thr Ser Ser Val His Leu Leu Val Phe Lys Asp His Leu Leu Ser
-25 -20 -15
Met Leu Ser Cys Cys Gln Gly Ala Cys Cys Pro Ser Thr Pro His Glu
-10 -5 1 5
Gly Thr Arg Ser Thr Val Ser Trp Ile Pro Pro Thr Tyr Lys Ala Ala
10 15 20
Thr Gln

<210> 996

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 996

Met Val Arg Ala Ser Ile Leu Leu Ser Met Phe Cys Val Ser His Thr
-15 -10 -5
Val Gln Thr Ala Thr Tyr Thr
1

<210> 997

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 997

Met Glu Lys Thr Ala Leu Ser Ser Phe Thr Trp Trp Ala Pro Ala Cys
-15 -10 -5
Cys Ala Pro Arg Thr Tyr Val Val Ser Ala Thr Thr Leu Ser Ala Val
1 5 10 15
Gln Gly His Cys Pro Leu Gln Ser Arg Thr Ser Thr Lys Gly Lys Leu
20 25 30
Trp Pro Phe Gly
35

<210> 998

<211> 50

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 998
 Met Ile Phe Thr Phe Gln Gln Ile Gly Gly Lys Leu Leu Leu Ser Gly
 -20 -15 -10
 Leu Thr Gln Glu Cys Leu Gly Ala Leu Pro Glu Ala Asn Val Phe Cys
 -5 1 5
 Arg Gly Gly Cys Thr Ala Thr Val Leu Lys His Gly Lys Ala Ser Pro
 10 15 20 25
 Glu Ser

<210> 999
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 999
 Met Asn Cys Val Arg Gln Ala Asn Ile Arg Met Gln Cys Lys Ile Tyr
 -30 -25 -20
 Asp Ser Leu Leu Ala Leu Ser Pro Asp Leu Gln Ala Ala Arg Gly Leu
 -15 -10 -5 1
 Met Cys Ala Ala Ser Val Met Ser Phe Leu Ala Phe Met Met
 5 10 15

<210> 1000
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 1000
 Met Ile Trp Leu Ser Phe Cys Leu Leu Leu Val Tyr Arg Asn Ala Cys
 -40 -35 -30 -25
 Asp Phe Cys Thr Leu Thr Leu Tyr Pro Gly Thr Leu Leu Lys Leu Leu
 -20 -15 -10
 Ile Ser Leu Arg Ser Phe Trp Ala Glu Thr Thr Gly
 -5 1

<210> 1001
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL

<222> -25..-1

<400> 1001

Met	Phe	Ser	Ser	Pro	Gly	Leu	Arg	Thr	Leu	Phe	Val	Leu	Val	Gly	Ser
-25					-20					-15					-10
Leu	His	Leu	Phe	Leu	Ser	Val	Leu	Ala	Ser	Lys	Ser	Arg	Asn	Ser	Lys
			-5						1				5		
Lys	Gln	Arg	Leu	Phe	Leu	Leu	Val	Pro	Leu	Tyr					
	10						15								

<210> 1002

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1002

Met	Leu	Thr	Asp	Gly	Ile	Leu	Met	Arg	Val	Asn	Val	Cys	Ser	Leu	Pro
			-20					-15					-10		
Ala	Pro	Gly	Leu	Cys	Ser	Gly	Gln	Pro	Gly	Val	Arg	Ala	Trp	Pro	Gly
		-5					1			5					
Val	Thr	Gln	Leu	Thr	Gln	Xaa	Glu	Glu	Cys	Pro	Trp	Phe	Ser	Ala	Leu
10					15					20					25
Glu	Gly	Leu													

<210> 1003

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -33..-1

<400> 1003

Met	Phe	Asn	Trp	Asn	Pro	Trp	Leu	Thr	Thr	Leu	Ile	Thr	Gly	Xaa	Ala
		-30						-25					-20		
Gly	Pro	Leu	Leu	Ile	Leu	Leu	Leu	Ser	Leu	Ile	Phe	Gly	Pro	Cys	Ile
		-15					-10				-5				
Leu	Asn	Ser	Phe	Leu	Asn	Xaa	Ile	Lys	Gln	Arg	Ile	Ala	Ser	Gly	Lys
	1				5					10					15
Arg															

<210> 1004

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -29..-1

<400> 1004

Met Ala Gly Ser Arg Gln Arg Gly Leu Arg Ala Arg Val Arg Pro Leu
-25 -20 -15
Phe Cys Ala Leu Leu Leu Ser Leu Xaa Xaa Xaa Xaa Pro Xaa Xaa Arg
-10 -5 1
Arg Xaa Arg Arg Pro Arg Gly Arg Val Ala Thr Ser Pro Phe Arg Val
5 10 15
Xaa Ile Gln Leu Gln Gly Ala Ala Pro Gly Ala Glu Arg Arg Asp Arg
20 25 30 35
Ala Leu Leu Gly Pro Arg Gly Glu Cys Tyr Ser Lys Phe Arg Ser Asn
40 45 50
Ser Ser Ser Thr Ile Phe Lys Lys Xaa Lys Arg Leu Ser Val Xaa Xaa
55 60 65
Asp Xaa Ser Gly Pro Gly
70

<210> 1005

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1005

Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Lys Gly
-15 -10 -5
Val His Cys Asp Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
1 5 10
Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Leu
15 20 25
Ser Asn Asp Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
30 35 40 45
Val Trp Val Ser His Ile Asp Ser Ser Xaa Thr Ile Thr Asn Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Trp
65 70 75

<210> 1006

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1006

Met Gly Leu Phe Leu Gly Phe Leu Ala Cys Ser Val Ala Tyr Gln Cys
-15 -10 -5 1
His Ser Ala Phe Val Thr Val Ala Ser Gln Tyr Thr Leu Lys Ser Glu
5 10 15

Thr Leu Met Pro Ala Ala
20

<210> 1007
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -49..-1

<400> 1007
Met Trp Glu Asp Ser Arg Asn Lys Arg Gly Gly Arg Trp Leu Val Ser
 -45 -40 -35
Leu Ala Lys Gln Gln Arg His Ile Glu Leu Asp Arg Leu Trp Leu Glu
 -30 -25 -20
Thr Phe Ser Val Phe Leu Gly Leu Ile Phe Phe Leu Glu Leu Ala Thr
 -15 -10 -5
Gly Ile Leu Ala Phe Val Phe Lys Asp Trp Ile Arg Asp Gln Leu Asn
 1 5 10 15
Leu Phe Ile Asn Asn Asn Val Lys Ala Tyr Arg Asp Asp Ile Asp Leu
 20 25 30
Gln Xaa Leu Ile Asp Phe Ala Gln Glu Tyr Trp Ser Cys Cys Gly Xaa
 35 40 45
Glu Ala Pro Ile Xaa Gly Thr Gly
 50 55

<210> 1008
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1008
Met Phe Leu Ser Leu Ser Thr Ala Phe Trp Val Val Tyr Ala Met Ile
 -10 -5 1
Ile Tyr Ser Ala Leu Ser Ala Gly Phe Ile Ile Phe Phe Leu Val Val
 5 10 15
Phe Asn
 20

<210> 1009
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -34..-1

<400> 1009

Met Tyr Ile Val Met Asp Leu Pro Leu Trp Leu Ser His Glu Val Gln
-30 -25 -20
Ser Tyr Ile Pro Ser Phe Phe Leu Phe Phe Cys Phe Glu Thr Gly Ser
-15 -10 -5
His Ser Val Thr His Gly
1

<210> 1010

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -27..-1

<400> 1010

Met Val Ala His Asp Tyr Gln Asn Ile Ile Ser Leu Phe Phe Leu Ala
-25 -20 -15
Phe Ser Phe Ser Phe Phe Pro Ser Ser Phe Ser Ser Phe Phe Leu Xaa
-10 -5 1 5
Phe Leu Ser Phe Phe Ser Ser Phe Phe Leu Ser Leu Leu Ser Phe Pro
10 15 20
Ser Phe Leu Pro Pro Gly
25

<210> 1011

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1011

Met Ala Ala Leu Arg Ala Leu Cys Gly Phe Arg Gly Val Ala Ala Gln
-15 -10 -5 1
Val Leu Arg Xaa Gly Ala Gly Val Arg Leu Pro Ile Gln Pro Ser Arg
5 10 15
Gly Val Arg Gln Trp Gln Pro Asp Val Glu Trp Ala Gln Gln Phe Gly
20 25 30
Gly Ala Val Met Tyr Pro Ser Lys Glu Thr Ala His Trp Lys Pro Pro
35 40 45
Pro Trp Asn Asp Val Asp Pro Pro Lys Asp Thr Ile Val Lys Asn Ile
50 55 60 65
Thr Leu Asn Phe Gly Pro Gln His Pro Ala Ala His Gly Val Leu Arg
70 75 80
Leu Val Met Glu Leu Ser Gly Glu Met Val Arg Lys Cys Asp Pro His
85 90 95
Ile Gly Leu Leu His Arg Gly Thr Glu Lys Leu Ile Glu Tyr Lys Xaa
100 105 110
Tyr Leu Gln Ala Leu Pro Tyr Phe

115

120

<210> 1012
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1012
 Met Leu Ile Trp Ser Ser Ser Ser Phe Pro Ala Pro Pro Leu Phe Leu
 -25 -20 -15
 Val Phe Leu His Leu Phe Leu Xaa Val Tyr Leu Gly Leu Val Met Pro
 -10 -5 1
 Thr Gln Gln Tyr Leu Leu Leu Gln Ser Pro Leu Met Phe Thr Asp Lys
 5 10 15 20
 Ala Gln

<210> 1013
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -46..-1

<400> 1013
 Met Cys Arg Met Cys Arg Phe Val Thr Trp Ile Asn Val Cys His Gly
 -45 -40 -35
 Asp Leu Leu His Arg Ser Ser Arg Arg Leu Gly Val Lys Pro Ser Thr
 -30 -25 -20 -15
 His Trp Leu Phe Phe Leu Met Leu Ser Leu Cys Thr Pro Pro Asp Arg
 -10 -5 1
 Pro Trp Cys Val Leu Phe Pro Pro Leu
 5 10

<210> 1014
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1014
 Met Xaa Thr Gln Glu Ala Gly Leu Ile Phe Phe Ser Pro Pro Phe Ser
 -30 -25 -20
 Leu Ser Leu Ser Leu Ser Leu Pro Leu Ser Leu Xaa Leu Leu Xaa Xaa
 -15 -10 -5 1
 Pro His Ser Arg Thr Pro Gln Arg

5

<210> 1015
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1015
 Met Glu Phe Leu Leu Leu Trp Ser Leu Xaa Ser Asn Gly Lys Arg Gly
 -10 -5 1
 Gln Ala Trp Trp Arg Leu Met Pro Val Val Pro Ala Val Trp Glu Pro Glu
 5 10 15
 Ala Gly Gly Leu Leu Gln Leu Gly Gly Ser Arg
 20 25 30

<210> 1016
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -37..-1

<400> 1016
 Met Met Val Thr Tyr Arg Trp Gly Phe Gly Val Asp Val Xaa Phe Val
 -35 -30 -25
 Ala Val Asp Ala Ile Pro Phe Cys Leu Leu Val Phe Phe Leu Ile Val
 -20 -15 -10
 Arg Thr Leu Ser Cys Arg Ser Val Gly Val Cys Trp Arg Ser Thr Pro
 -5 1 5 10
 Asp Pro Val Cys Leu Gly Ile Thr Ser Arg Gly Cys Arg Thr Glu Ile
 15 20 25
 Leu Gln Asn Ser Lys Cys Cys Ser Leu Ile Leu Pro Leu Glu Ala Ser
 30 35 40
 Ser Gln Arg Gly Thr Glu Cys Met
 45 50

<210> 1017
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1017
 Met Leu Tyr Pro Leu Pro Glu Ile Phe Leu Pro Phe Ser Leu Ser Pro
 -15 -10 -5

Ala Asn Ala Gln Ser Lys Phe Ser Leu Tyr Phe Phe Pro Leu Val Lys
 1 5 10
 Pro Gly
 15

<210> 1018
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1018
 Met Ser Leu Glu Pro Ala Ser Xaa Leu Leu Gly Val Arg Arg Arg Leu
 -25 -20 -15
 Leu Cys Leu Xaa Phe Xaa Arg Leu Leu Leu Gly Thr Ser Leu Leu Lys
 -10 -5 1 5
 Phe Val Xaa Ser Xaa Ser Pro Pro Xaa Pro Xaa Thr Leu Thr Ser Ser
 10 15 20

<210> 1019
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1019
 Met Leu Ile Leu Tyr Leu Ala Thr Leu Leu Asn Leu Ser Val Leu Ile
 -20 -15 -10
 Leu Cys Val Cys Val Cys Val Cys Val Tyr Asp Leu Tyr Ile Xaa Arg
 -5 1 5
 Gly

<210> 1020
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1020
 Met Ala Pro Leu Gly Thr Thr Val Leu Leu Trp Ser Leu Leu Arg Ser
 -15 -10 -5
 Ser Pro Gly Val Glu Arg Val Cys Phe Arg Ala Arg Ile Gln Pro Trp
 1 5 10 15
 His Gly Gly Leu Leu Gln Pro Leu Pro Cys Ser Phe Glu Met Gly Leu
 20 25 30

Pro Arg Arg Arg Phe Ser Ser Glu Ala Ala Glu Ser Gly Ser Pro Glu
 35 40 45
 Thr Lys Lys Pro Thr Phe Met Asp Glu Glu Val Gln Ser Ile Leu Thr
 50 55 60
 Lys Met Thr Gly Leu Asn Leu Gln Lys Thr Phe Lys Pro Ala Ile Gln
 65 70 75 80
 Glu Leu Lys Pro Pro Thr Tyr Lys Leu Met Xaa Gln Ala Gln Leu Glu
 85 90 95
 Glu Ala Thr Arg Gln
 100

<210> 1021
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -34..-1

<400> 1021
 Met Leu Leu Thr Phe Ser Ser Ser Ser Arg His Arg Arg Leu Tyr Arg
 -30 -25 -20
 Arg Arg Arg His His Leu Leu Phe Val Val Leu Leu Pro Pro Pro Pro
 -15 -10 -5
 Gly Ser Val Xaa Leu Cys Ser Xaa Xaa Xaa Xaa Xaa Val Leu Xaa Xaa
 1 5 10
 Xaa Lys Phe Arg Xaa Gly Leu His Gly Ala Met Leu Pro Gly Leu Phe
 15 20 25 30
 Arg Gly Arg Pro Arg Ala Ala Leu Arg Leu Arg Val Ser Pro Xaa Cys
 35 40 45
 Pro Gly Trp Lys Val Ala Arg Ser Arg Leu Thr Ala Thr Ser Ala Ser
 50 55 60
 Arg Xaa Arg
 65

<210> 1022
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1022
 Met Leu Leu Leu Leu Gln Leu Asn Lys Thr Leu Ser Ser Ser Thr
 -10 -5 1
 Ile Ala Leu Lys Lys Ile Ser Gly Glu Leu Leu Arg Lys Arg Lys Arg
 5 10 15

<210> 1023
 <211> 18
 <212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1023

Met Ser Leu Phe Val Leu Leu Ile Ile Thr Gln Leu Leu Tyr Gly Gly
-15 -10 -5 1
Ile Leu

<210> 1024

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -28..-1

<400> 1024

Met Asn Cys Phe Cys Asn Phe Val Lys Thr Ser Glu Ala Tyr Met Ile
-25 -20 -15
Leu Phe Leu Gly Val Leu Leu Ser Ala Ser Asp Leu Cys Val Tyr Pro
-10 -5 1
Ile Gly
5

<210> 1025

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1025

Met Ser Val Ile Leu Ala Leu Trp Glu Ala Glu Ala Gly Gly Ser Pro
-10 -5 1
Glu Ile Gly Ser Ser Gly Pro Ala Ala Pro Thr Trp Arg Ser Pro Val
5 10 15
Gln

<210> 1026

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -29..-1

<400> 1026

Met	Tyr	Gly	Glu	Ser	Thr	Leu	Phe	Ile	His	Ser	Ser	Val	His	Gly	His
				-25					-20					-15	
Leu	Gly	Cys	Leu	Leu	Leu	Ala	Val	Arg	Ser	Ser	Ala	Thr	Val	Asn	Ile
		-10						-5					1		
Thr	Tyr	Xaa	Xaa	Val	Cys	Val	Asp	Ile	Xaa	Xaa	His	Phe	His	Met	Leu
	5					10					15				
Met	Ser	Gly	Ile	Thr	Gly	Ser	Tyr	Gly	Asn	Ser	Leu	Ser			
20					25					30					

<210> 1027
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -51..-1

Met	Ala	Ala	Ser	Val	Leu	Asn	Thr	Val	Leu	Arg	Arg	Leu	Pro	Met	Leu
	-50					-45					-40				
Ser	Leu	Phe	Arg	Gly	Ser	His	Arg	Val	Gln	Val	Thr	Leu	Arg	Lys	Thr
-35					-30				-25					-20	
Phe	Cys	Thr	Thr	Ser	Ser	Trp	Leu	Tyr	Leu	Leu	Glu	Val	Val	Ala	Pro
				-15					-10					-5	
Leu	Ser	Gly	Ile	His	Glu	Trp	Arg	Pro	Ser	His	Val	Cys	Leu	Ser	Cys
			1				5					10			
Leu	Gly	Ser	Thr	Ser	Cys	Asn	Pro	Pro	Glu						
15						20									

<210> 1028
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -65..-1

Met	Leu	Arg	Ser	Ala	Cys	Val	Ser	Gln	His	Ala	Gly	Gly	Ile	Trp	Val
-65					-60					-55				-50	
Asp	Arg	Gly	Gly	Pro	Gln	Cys	Gln	Arg	Val	Phe	Thr	Phe	Cys	Arg	Gly
				-45					-40					-35	
Leu	Ser	Pro	Asn	Phe	Gly	Arg	Ser	Glu	Thr	Gln	Arg	Glu	Arg	Trp	Ile
			-30					-25					-20		
Arg	Pro	Gly	Gln	Leu	Met	Val	Val	Ala	Glu	Thr	Ser	Gln	Gly	Ser	Trp
		-15				-10						-5			
Ser	Ala	Pro	Thr	Ser	Pro	Xaa	Thr	Ser	Cys	Pro	Pro	Pro	Asn	Thr	Xaa
1					5					10					15
Thr	Thr	Pro	Xaa												

<210> 1029
 <211> 94

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -45..-1

<400> 1029

Met Val Ser Arg Ser Leu Arg Gly Arg Arg Thr Trp Val Arg Cys Met
-45 -40 -35 -30
Arg Arg Leu Pro Pro Ile Pro Ala Trp Ser Gln Gly Lys Gly Met Pro
-25 -20 -15
Gly Phe Val Ser Leu Leu Val Val His Ala Ala Asp Ala Trp Val Ala
-10 -5 1
Gln Arg Leu Ser Thr Pro Tyr Phe Ser Leu Phe Leu Ser Ile Pro Arg
5 10 15
Cys Ser Phe Pro Arg Arg Ser Ile Asp Arg Thr Cys Ser Ser Xaa Leu
20 25 30 35
Asp Ser Glu Gly Ser Ser Ser Ile Xaa Pro Ser Thr Pro Phe
40 45

<210> 1030
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 1030

Met Val Gly Ala Leu Pro Pro Ala Ser Leu Leu Pro Cys Ser Leu Ile
-20 -15 -10
Ser Asp Cys Cys Ala Ser Asn Glu Arg Gly Ser Met Gly Val Gly Pro
-5 1 5 10
Ser Glu Pro Arg Arg Gly
15

<210> 1031
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1031

Met Arg Met Thr Lys Asp Pro Leu Gly Ser Leu Ile Ala Ser Leu Ala
-20 -15 -10 -5
Pro Ser Thr Gly Leu Gly
1

<210> 1032

<211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1032
 Met Lys Leu Gln Phe Ala Phe Cys Tyr Phe Leu Tyr Leu Asp Thr Phe
 -25 -20 -15
 Phe Leu Phe Leu Phe Phe Xaa Glu Xaa Xaa Xaa Xaa Xaa Xaa Gly
 -10 -5 1
 Arg Ser Ala Val Ala Xaa Pro Gln Leu Xaa Ala Ala Ser Thr Phe Xaa
 5 10 15 20
 Phe Gln Ala Ile Phe Leu Pro Gln Xaa
 25

<210> 1033
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -69..-1

<400> 1033
 Met Ala Ala Gly Glu Leu Glu Gly Gly Lys Pro Leu Ser Gly Leu Leu
 -65 -60 -55
 Asn Ala Leu Ala Gln Asp Thr Phe His Gly Tyr Pro Gly Ile Thr Glu
 -50 -45 -40
 Glu Leu Leu Arg Ser Gln Leu Tyr Pro Glu Val Pro Pro Glu Glu Phe
 -35 -30 -25
 His Pro Phe Leu Ala Lys Met Arg Gly Ile Leu Lys Val Leu Leu Phe
 -20 -15 -10
 Ser Val Val Ser Gly Leu Glu Gln Asn Pro Leu Ala Ala Gly Phe Arg
 -5 1 5 10
 Leu Ser His Pro
 15

<210> 1034
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1034
 Met Met Met Ser Asn Val Met Leu Met Leu Gln Leu Gln Pro Leu Leu
 -30 -25 -20
 Ala Xaa Ser Leu Ile Leu Ser Pro Ser Pro Arg Pro Val Leu Gly Phe

<220>

<221> SIGNAL

<222> -14..-1

<400> 1038

Met Gly Ser Trp Ala Leu Thr Trp Leu His Pro Ala Glu Ala Gly Thr
 -10 -5 1
Arg Val Pro Phe Cys Ser Trp Glu Lys Ser Asp Gly Arg Ser
 5 10 15

<210> 1039

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -42..-1

<400> 1039

Met Met Leu Xaa Xaa Xaa Arg Gly Tyr Pro His Arg Thr Glu Arg Tyr
 -40 -35 -30
Asp Gly Phe Leu Lys Tyr Ser Asp Pro Asn Asp Ile Ala Leu Ser Val
 -25 -20 -15
Leu Ser Leu Val Ile Asn Phe Ser Trp Ser Arg Lys Cys Phe Val Pro
 -10 -5 1 5
Tyr Tyr Ile Pro Phe Lys Pro Tyr Arg Xaa Pro Tyr Pro Thr Ala Ala
 10 15 20
Arg

<210> 1040

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -39..-1

<400> 1040

Met Tyr Val Cys Ile Tyr Ile Xaa Leu Xaa Asp Leu Tyr Asp Phe Phe
 -35 -30 -25
Leu Leu Gly Thr Tyr Phe Phe Glu Arg Lys Cys Phe Val Cys Xaa Leu
 -20 -15 -10
Phe Val Phe Leu Leu Ser Gly Leu Asn Tyr Phe Ser Ile Leu Ser Phe
 -5 1 5
Tyr Pro Arg
10

<210> 1041

<211> 50

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 1041
 Met Cys Ile Phe Cys Leu Phe His Leu Leu Tyr His Lys Leu Leu Ser
 -40 -35 -30 -25
 Arg Ser Leu Phe Phe Cys Cys Ile Phe Ser Gly Phe Ile Thr Phe Ile
 -20 -15 -10
 Phe Ser Phe Ser Phe Cys Glu Cys Ile Val Gly Met Tyr Ile Tyr Gly
 -5 1 5
 Ala Arg
 10

<210> 1042
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1042
 Met Xaa Ile Cys Tyr Asn Ile Phe Gln Asn Ile Leu Gly Leu Leu Leu
 -25 -20 -15
 Ile Phe Leu Tyr Leu Ser Leu Asn Leu Phe Cys Ile Phe Phe Ser Val
 -10 -5 1 5
 Pro Ala Leu Gln Pro Arg Arg Leu
 10

<210> 1043
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1043
 Met Ala Ser Ser Met Leu Xaa Ser Phe Gln Thr Phe Met Met Leu Thr
 -25 -20 -15
 Leu Leu Gly Phe Pro Ser Lys Ala Leu Thr Phe Ile Ser
 -10 -5 1

<210> 1044
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL

<222> -20..-1

<400> 1044

Met Gly Arg Ser Lys Arg Gln Leu Leu Ser Leu Pro Gly Ser Phe Ile
-20 -15 -10 -5
Pro Gly Asn Cys Arg Pro Arg Ile Leu Ser Asn Gly Glu Xaa Arg Arg
1 5 10

Lys

<210> 1045

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -25..-1

<400> 1045

Met Arg Ser Asp Gly Phe Ile Arg Gly Phe Cys Phe Cys Phe Phe Leu
-25 -20 -15 -10
Ile Phe Leu Leu Pro Pro Leu Pro Ala Met Ile Leu Arg Pro Leu Gln
-5 1 5
Pro Cys Gly Ile Ile Ser Pro Ile Lys Pro Leu Phe Pro Phe Phe Phe
10 15 20

<210> 1046

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1046

Met Asn Thr Leu Trp Thr Ala Ser Ser Leu Pro Leu Ser Thr His Ser
-15 -10 -5
Gln Arg Thr Met Ile His Trp Asn Val Phe Leu Trp Asn Ser Phe Tyr
1 5 10 15
Ser Cys Ile Lys Ile Phe Pro
20

<210> 1047

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -31..-1

<400> 1047

Met Thr Trp Thr Lys Cys Pro Leu Pro Leu Gly Pro Ala Phe Phe Thr

-30 -25 -20
 Gln Cys Cys Leu Ile Gly Leu Leu Val Pro Leu Leu Gly Trp Gly Asn
 -15 -10 -5 1
 Gln Asn Thr Gln Trp Tyr Pro Thr Ser Lys Met Pro Asp Gly
 5 10 15

<210> 1048
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -32..-1

<400> 1048
 Met Gly Arg Ser Asn Asp Phe Arg Phe Ala Phe Leu Thr Cys Phe Leu
 -30 -25 -20
 Gly Trp Glu Ile Val Tyr Phe Leu Val Leu Leu Arg Val Leu Tyr Thr
 -15 -10 -5
 Leu Gln Trp Gly Gly
 1 5

<210> 1049
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1049
 Met Lys Thr Asp Asn Leu Thr Ser Phe Leu Thr Tyr Met Pro Leu Ile
 -15 -10 -5
 Ser Ser Ser Cys Ser Ile Ala Pro
 1 5

<210> 1050
 <211> 130
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -79..-1

<400> 1050
 Met Arg Phe Arg Phe Cys Gly Asp Leu Asp Cys Pro Asp Trp Val Leu
 -75 -70 -65
 Ala Glu Ile Ser Thr Leu Ala Lys Met Ser Ser Val Lys Leu Arg Leu
 -60 -55 -50
 Leu Cys Ser Gln Val Leu Lys Glu Leu Leu Gly Gln Gly Ile Asp Tyr
 -45 -40 -35

Glu Lys Ile Leu Lys Leu Thr Ala Asp Ala Lys Phe Glu Ser Gly Asp
 -30 -25 -20
 Val Lys Ala Thr Val Ala Val Leu Ser Phe Ile Leu Ser Ser Ala Ala
 -15 -10 -5 1
 Lys His Ser Val Asp Gly Glu Ser Leu Ser Ser Glu Leu Gln Gln Leu
 5 10 15
 Gly Leu Pro Lys Glu His Ala Ala Ser Leu Cys Arg Cys Tyr Glu Glu
 20 25 30
 Lys Gln Ser Pro Leu Gln Lys His Leu Arg Val Cys Ser Leu Arg Met
 35 40 45
 Asn Arg
 50

<210> 1051
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1051
 Met Phe Leu Ala Ala Leu Phe Thr Val Ala Lys Ile Trp Lys Gln Pro
 -10 -5 1
 Lys Cys Ser Ser Thr Asn Lys Trp Thr Lys Lys Met Trp Tyr Ile Tyr
 5 10 15
 Thr Met Glu Tyr Tyr Ser Ala Ile Lys Lys Asp Asp Ile Leu Ser Phe
 20 25 30
 Ala Thr Ile Trp Met Glu Leu Glu Ser Ile Thr Leu Ser Glu Ile Ser
 35 40 45 50
 Gly Xaa Pro Lys Asp Lys Leu Leu Met Phe Ser Leu Ile Cys Gly
 55 60 65

<210> 1052
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1052
 Met Glu Ser Ser Thr Phe Ala Leu Val Pro Val Phe Ala His Leu Ser
 -25 -20 -15
 Ile Leu Gln Ser Leu Val Pro Ala Ala Gly Ala Xaa Ser Pro
 -10 -5 1

<210> 1053
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL

<222> -78..-1

<400> 1053

Met Gly Cys Leu Leu Ala Ser Glu Tyr Pro Leu Ser Glu Pro Trp Ala
 -75 -70 -65
Pro Gly Pro Phe Thr Gln Tyr Leu Val Asp His His His Thr Leu Leu
 -60 -55 -50
Cys Asn Gly Tyr Trp Leu Ala Trp Leu Ile His Val Gly Glu Ser Leu
 -45 -40 -35
Tyr Ala Ile Val Leu Cys Lys His Lys Gly Ile Thr Ser Gly Arg Ala
-30 -25 -20 -15
Gln Leu Leu Trp Phe Leu Gln Thr Phe Phe Phe Gly Ile Ala Ser Leu
 -10 -5 1
Xaa Ile Leu Ile
 5

<210> 1054

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1054

Met Cys Cys Trp Ile Trp Val Ala Ser Ile Leu Leu Arg Ile Phe Ala
 -15 -10 -5
Ser Val Leu Ile Arg Asp Ile Tyr Leu Trp Phe Ser Phe Phe Phe Phe
1 5 10 15

<210> 1055

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1055

Met Ile Ser Ser His Leu Tyr Asn Phe Ser Leu Leu Phe Phe Xaa Leu
 -20 -15 -10
Trp Leu Arg Tyr Lys Glu Ser Gly Arg Glu Gly Asn Cys Glu Glu Gly
 -5 1 5
Ala Phe Ser Arg Trp
10

<210> 1056

<211> 122

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1056

Met	Gly	Trp	Gln	Arg	Leu	Leu	Leu	Leu	Pro	Arg	Pro	Pro	Ala	Ser	Thr
		-15					-10					-5			
Gly	Ala	Ser	Asn	Ala	Thr	Arg	Xaa	Pro	Lys	Xaa	Leu	Tyr	Arg	Xaa	Tyr
1					5				10					15	
Asn	His	Gly	Val	Leu	Lys	Ile	Thr	Ile	Cys	Lys	Ser	Cys	Gln	Lys	Pro
			20						25					30	
Val	Asp	Lys	Tyr	Ile	Glu	Tyr	Asp	Pro	Val	Ile	Ile	Leu	Xaa	Asn	Ala
			35					40					45		
Ile	Leu	Cys	Lys	Ala	Xaa	Ala	Tyr	Arg	His	Ile	Leu	Phe	Asn	Thr	Gln
		50					55					60			
Ile	Asn	Asn	Lys	Leu	Pro	Ile	Leu	Leu	Ala	Phe	Leu	Pro	Ser	Cys	Gly
	65					70					75				
Xaa	Thr	Ala	His	Asp	Gly	Lys	Lys	Lys	Pro	Asn	Phe	Ile	Leu	Leu	Leu
80					85					90					95
Lys	Xaa	Tyr	Tyr	Tyr	Leu	Ala	Thr	Glu	Asn						
				100					105						

<210> 1057
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1057

Met	Ala	Ala	Gly	Val	Ser	Leu	Leu	Ala	Leu	Val	Val	Arg	Val	Ile	Leu
			-15						-10					-5	
Ser	Thr	Ala	Ile	Leu	Cys	Pro	Ser	Gly	Ala	Ser	Arg	Arg	Gln	Arg	Ser
		1					5					10			
Ser	Glu	Val	Glu	Trp	Gly	Thr	Asp	Ser							
	15					20									

<210> 1058
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1058

Met	Asn	Pro	Leu	Phe	Trp	Leu	Ile	Leu	Cys	Ser	Gly	Leu	Leu	Cys	Asn
	-15				-10					-5					1
Lys	Ser	Phe													

<210> 1059
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1059
Met Arg Gly Ala Trp Ile Ser Ile Phe Leu Ser Ser Leu Ser Leu Ser
 -15 -10 -5
Leu Ser Leu Phe
 1

<210> 1060
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -24..-1

<400> 1060
Met Ser Gln Lys Arg Leu Asp Phe Ile Tyr Gln Leu Phe Val Leu Leu
 -20 -15 -10
Pro His Phe Phe Leu Ser Phe Leu Ser Pro Phe Tyr Leu His Pro Trp
 -5 1 5

<210> 1061
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -33..-1

<400> 1061
Met Tyr Leu Tyr Leu Leu Ser Ile Cys Met Ser Ser Leu Lys Lys Cys
 -30 -25 -20
Leu Phe Lys Phe Leu Ala His Phe Leu Ile Gly Leu Thr Val Cys Phe
 -15 -10 -5
Gly Glu Gly Xaa Leu Met Ser Tyr Arg Ser Ser Tyr Leu Leu Leu Lys
 1 5 10 15
Gly Pro Pro Gly

<210> 1062
<211> 27
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL
<222> -22..-1

<400> 1062
Met Gly Phe Trp Cys Glu Cys Pro Phe Cys Leu Leu Val Phe Leu Leu
 -20 -15 -10
Thr Glu Trp Thr Ser Ser Lys Leu Gln Lys Thr
 -5 1 5

<210> 1063
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -22..-1

<400> 1063
Met Trp Trp Gly Arg Cys Phe Ile Arg Val Leu His Leu Phe Pro Leu
 -20 -15 -10
Thr Pro Ala Ser Thr Gly His Trp
 -5 1

<210> 1064
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29..-1

<400> 1064
Met Arg Asp Pro Leu Ala Asp Met Val His Ser Tyr Leu Ser Ser Ser
 -25 -20 -15
Leu Phe Met Ala Leu Pro Pro Val Leu Ser Ser His Gly Ser Arg Asn
 -10 -5 1
Leu Arg Ile Trp Gly Ser Pro Phe Gly Gly Ala Leu Thr Lys Gly Lys
 5 10 15
Ala Pro Pro Thr Pro Ala Gln Pro Ala Leu
20 25

<210> 1065
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 1065
Met Ser Ser Ala Trp Leu Cys Leu Pro Cys Ser Leu Cys Val Ser Gln

-15 -10 -5
 Leu Leu Pro Ser Tyr Ser Leu Leu Ile Pro Ala Pro
 1 5 10

<210> 1066
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1066
 Met Ser Pro Met Trp Ala Gly Leu Leu Ser Leu Leu Gly Pro Leu Xaa
 -20 -15 -10
 Pro Pro Met Arg Ala Cys Ser Val Cys Val Leu
 -5 1 5

<210> 1067
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1067
 Met Ser Leu Asn Glu Leu Ser Ile Ala Asp Leu Leu Pro Ser Ser Ser
 -15 -10 -5
 Phe Ala Asn Pro Lys Leu Ser Gly Pro Ile Ser Ile Ser Val Thr Ser
 1 5 10
 Ala Gly Ser Pro Pro Gly Ala
 15 20

<210> 1068
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1068
 Met Lys Asp Leu Leu Gly Thr Ala Phe Leu Glu Gly Ser Leu Ala Ala
 -15 -10 -5 1
 Tyr Leu Thr Met Ala Asn Ile Thr His Val
 5 10

<210> 1069
 <211> 29
 <212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1069

Met Ala Asn Asp Ile Lys His Leu Phe Met Cys Leu Leu Thr Ile Cys
 -15 -10 -5
Ile Ser Ser Leu Glu Lys Leu Pro Phe Phe Phe Phe Phe
 1 5 10

<210> 1070

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1070

Met Tyr Gln Lys Val Thr Ser Tyr Cys Arg Ser Ala Thr Leu Val Gly
 -20 -15 -10
Phe Thr Val Gly Ser Val Leu Gly Gln Ile Leu Val Ser Val Ala Gly
 -5 1 5
Trp Ser Leu Phe Ser Leu Asn Val Ile Ser Leu Thr Cys Val Ser Val
 10 15 20
Ala Phe Ala Val Ala Trp Phe Leu Pro Met Pro Gln Lys Ser Leu Phe
25 30 35 40
Phe His His Ile Pro Ser Thr Cys Gln Arg Val Asn Gly Ile Lys Val
 45 50 55
Gln Asn Gly Gly Ile Val Thr Asp Thr Gln Leu Leu Thr Pro Ser Trp
 60 65 70
Leu Gly

<210> 1071

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 1071

Met Met Pro Pro Ala Leu Phe Phe Leu Leu Arg Ile Ala Trp Leu Leu
 -15 -10 -5
Gly Leu Phe
 1

<210> 1072

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -21..-1

<400> 1072

Met Asn Cys Val Thr Leu Ile Gln Ala Leu Ser Leu Trp Ala Ser Val
-20 -15 -10
Ser Pro Ser Trp Met Cys Arg Pro Pro Ala Ser Phe Ile Ile Thr Thr
-5 1 5 10
Thr Thr Thr Thr Cys Gly
15

<210> 1073

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1073

Met Leu Ser Leu Leu Ser Leu Met Ala Arg Thr Asp Leu Val Phe Cys
-15 -10 -5
Ser Pro Arg
1

<210> 1074

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -34..-1

<400> 1074

Met Val Gly Glu Ala Gly Arg Asp Leu Arg Arg Arg Arg Ala Val Ala
-30 -25 -20
Val Thr Ala Glu Lys Met Ala Val Leu Ala Pro Leu Ile Ala Leu Val
-15 -10 -5
Tyr Ser Val Pro Arg Leu Ser Arg Trp Leu Ala Gln Pro Tyr Tyr Leu
1 5 10
Leu Ser Ala Leu Leu Ser Ala Ala Phe Leu Leu Val Arg Lys Leu Pro
15 20 25 30
Pro Leu Cys His Gly Leu Pro Thr Gln Arg Glu Asp Gly Asn Pro Cys
35 40 45
Asp Phe Asp Trp Arg Glu Val Glu Ile Leu Met Phe Leu Ser Ala Ile
50 55 60
Val Met Met Lys Asn Arg Arg Ser Ile Thr Val Glu Gln His Ile Gly
65 70 75
Asn Ile Phe Met Phe Ser Lys Val Ala Asn Thr Ile Leu Phe Phe Arg

80		85		90
Leu Asp Ile Arg Met Gly	Leu Leu Tyr Ile Thr	Leu Cys Ile Val Phe		
95	100	105		110
Leu Met Thr Cys Lys	Pro Pro Leu Tyr Met Gly	Pro Glu Tyr Ile Xaa		
	115	120		125
Tyr Phe Asn Asp Lys	Thr Ile Asp Glu Glu	Leu Glu Arg Asp Lys Arg		
	130	135		140
Val Thr Trp Ile Val	Glu Phe Phe Ala Xaa	Trp Ser Asn Asp Cys Gln		
	145	150		155
Ser Phe Ala Pro Ile	Tyr Ala Asp Leu Ser	Leu Lys Tyr Asn Cys Thr		
	160	165		170
Gly Leu Asn Phe Gly	Lys Val Asp Val Gly	Arg Tyr Thr Asp Val Ser		
175	180	185		190
Thr Arg Tyr Lys Val	Ser Thr Ser Pro Leu	Thr Lys Gln Leu Pro Thr		
	195	200		205
Leu Ile Leu Phe Gln	Gly Gly Lys Glu Ala	Met Arg Arg Pro Gln		
	210	215		220

<210> 1075
 <211> 153
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1075
Met Thr Met Tyr Leu Trp Leu Lys Leu Leu Ala Phe Gly Phe Ala Phe
-15 -10 -5
Leu Asp Thr Glu Val Phe Val Thr Gly Gln Ser Pro Thr Pro Ser Pro
1 5 10 15
Thr Gly Leu Thr Thr Ala Lys Met Pro Ser Val Pro Leu Ser Ser Asp
20 25 30
Pro Leu Pro Thr His Thr Thr Ala Phe Ser Pro Ala Ser Thr Phe Glu
35 40 45
Arg Glu Asn Asp Phe Ser Glu Thr Thr Ser Leu Ser Pro Asp Asn
50 55 60
Thr Ser Thr Gln Val Ser Pro Asp Ser Leu Asp Asn Ala Ser Ala Phe
65 70 75
Xaa Thr Thr Gly Val Ser Ser Val Gln Thr Pro Xaa Leu Pro Thr His
80 85 90 95
Ala Asp Ser Gln Thr Pro Ser Ala Gly Thr Asp Thr Gln Thr Phe Ser
100 105 110
Gly Ser Ala Xaa Met Gln Asn Ser Thr Leu Pro Gln Ala Ala Met Leu
115 120 125
Ser Gln Met Ser Gln Glu Arg Gly Val
130 135

<210> 1076
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1076
 Met Thr Met Tyr Leu Trp Leu Lys Leu Leu Ala Phe Gly Phe Ala Phe
 -15 -10 -5
 Leu Asp Thr Glu Val Phe Val Thr Gly Gln Ser Pro Thr Pro Ser Pro
 1 5 10 15
 Thr Gly Val Ser Ser Val Gln Thr Pro Gln
 20 25

<210> 1077
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1077
 Met Thr Met Tyr Leu Trp Leu Lys Leu Leu Ala Phe Gly Phe Ala Phe
 -15 -10 -5
 Leu Asp Thr Glu Val Phe Val Thr Gly Gln Ser Pro Thr Pro Ser Pro
 1 5 10 15
 Thr Gly Val Ser Ser Val Gln Thr Pro His Leu Pro Thr His Ala Asp
 20 25 30
 Ser Gln Thr Pro Ser Ala Gly Thr Asp Thr Gln Thr Phe Ser Gly Ser
 35 40 45
 Ala Xaa Met Gln Asn Ser Thr Leu Pro Gln Ala Ala Met Leu Ser Gln
 50 55 60
 Met Ser Gln Glu Arg Gly Val
 65 70

<210> 1078
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

<400> 1078
 Met Arg Gly Ala Thr Trp Pro Trp Pro Cys Leu Pro Ala Arg Thr Ser
 -35 -30 -25
 Thr Ala Ala Ser Ile Ala Arg Leu Phe Leu Leu Ser Gly Thr Ile Trp
 -20 -15 -10 -5
 Ile Ala Ile Cys Lys Pro Thr Thr Asn Gly
 1 5

<210> 1079
 <211> 72

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -64..-1

<400> 1079
Met Gly Val Leu Pro Asp Leu Val Val Glu Ile Phe Gly Val Asn Lys
 -60 -55 -50
Cys Arg Leu Ser Trp Gly Leu Val Leu Glu Ser Leu Gln Gln Pro Leu
 -45 -40 -35
Ile Asn Arg His Leu Ile Tyr Cys Leu Gly Asp Ile Ile Leu Xaa Xaa
 -30 -25 -20
Leu Asp Leu Ser Ala Leu Leu Arg Ser Leu Leu Leu Pro Xaa Leu Xaa
 -15 -10 -5
Gln Ile Pro Gln Ala Thr Leu Arg
1 5

<210> 1080
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 1080
Met Thr Ala Leu Gly Phe Val Leu Leu Ala Pro Arg Gly Trp Gly Ser
-15 -10 -5 1
Leu Thr Val Met Val Glu Gly Lys Glu Glu Gln Val Thr Ser Tyr Thr
 5 10 15
Asp Gly Ser Arg Gln Arg Asp Ser Asn Phe
 20 25

<210> 1081
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -39..-1

<400> 1081
Met Lys Arg Ile Arg Arg Lys Arg Arg Asn Glu Val Thr Ile Gln Pro
 -35 -30 -25
Phe Pro Ile Arg Leu Pro Leu Leu Pro Pro Leu Ile Ser Phe Leu His
 -20 -15 -10
Thr Leu Gln Val Val Cys Ser Val Ile Met Lys Ser Ile Arg Lys Ala
 -5 1 5
Phe Val Leu Cys Gly Phe Leu Tyr Phe Glu Phe Phe Asp Gln Lys Leu
10 15 20 25

<210> 1082
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1082
 Met Leu Pro Leu Leu His Cys Phe Phe Xaa Val Xaa Leu Phe Xaa Xaa
 -20 -15 -10
 Val Xaa Val Xaa Xaa Ala Ala Leu Leu Arg Tyr Asn Xaa Ser Ile Gln
 -5 1 5 10
 Xaa Gly Arg Ala Gln Xaa Leu Xaa Pro Xaa Ile Pro Xaa Leu Trp Glu
 15 20 25
 Thr Lys Xaa Gly Arg Leu Leu Glu Pro Arg Asn
 30 35

<210> 1083
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1083
 Met Val Ser Val Phe Arg Ser Glu Glu Met Cys Leu Ser Gln Leu Phe
 -20 -15 -10
 Leu Gln Val Glu Ala Ala Tyr Cys Cys Val Ala Glu Leu Gly
 -5 1 5

<210> 1084
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1084
 Met Ala Ala Leu Arg Ser Thr Leu Thr Trp Thr Glu Val Val Gly Trp
 -25 -20 -15
 Trp Ser Val Ala Ser Leu Leu Ser Asp Val Ala Ala Trp Trp Pro Pro
 -10 -5 1
 His Ser Thr Ser Thr Arg Gly Gly Val
 5 10

<210> 1085
 <211> 47

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -44..-1

<400> 1085
Met Asn Ala Leu Val Asp Gly Lys Arg Leu Xaa Xaa Cys Ile Arg Tyr
 -40 -35 -30
Phe Asp Ser Ile Ser Leu Tyr Ser Lys Ala Ser Leu Ser Cys Cys Leu
 -25 -20 -15
Val Cys Val Phe Thr Cys Ser Leu Leu Ala Phe Phe Ser Pro Cys
 -10 -5 1

<210> 1086
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 1086
Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Leu Lys Gly
 -15 -10 -5
Val Gln Cys Glu Leu Gln Val Val Glu Ser Gly Gly Gly Leu Val Gln
 1 5 10
Pro Gly Arg Ser Leu Arg Leu Ser Cys Arg Thr Ser Gly Phe Ala Phe
 15 20 25
Asp Asp Tyr Asn Leu Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
30 35 40 45
Glu Trp Val Gly Phe Ile Arg Ser Lys Pro Tyr Gly Glu Thr Thr Thr
 50 55 60
Tyr Ala Ala Trp
 65

<210> 1087
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1087
Met Ser Leu Phe Xaa Leu Xaa Xaa Leu Arg Gln Ser Phe Thr Xaa Xaa
 -10 -5 1
Ala Gln Ala
 5

<210> 1088

<211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1088
 Met Ile Ser Ala His Cys Ser Phe Tyr Phe Leu Ala Ser Ser Ser Leu
 -15 -10 -5
 Ser Thr Ser Ala Ser Xaa Arg Thr Gly Ile Thr Asp Val Ser
 1 5 10

<210> 1089
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1089
 Met Asn Ala Glu Asn Asn Phe Phe Gly Phe Val Cys Leu Phe Val Phe
 -20 -15 -10
 Leu Tyr Thr Thr Pro Cys Asn Cys Phe Gly Leu Glu His Leu Trp Ile
 -5 1 5
 Leu Ser Phe Met Val Val Leu Gly Xaa Thr Arg
 10 15

<210> 1090
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1090
 Met Thr Met Ala Val Gly Ala Ala Xaa Xaa Leu Pro Cys Cys Cys His
 -20 -15 -10
 Leu Leu Thr Cys Val Ser Ser Leu Arg Xaa Asp Ile Tyr Pro His
 -5 1 5

<210> 1091
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1091

Met Arg Arg Lys Arg Arg Glu Arg Lys Glu Arg Lys Ser Ile Leu Leu
-25 -20 -15 -10
Ala Ala Leu Ser Arg Asn Ile Ser Pro Gly Gln Thr Tyr Arg Thr Ser
-5 1 5
Pro Ala

<210> 1092

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1092

Met Gly Ser Pro Tyr Val Ala His Val Gly Leu Glu Leu Leu Thr Ser
-20 -15 -10
Ser Asp Pro Pro Ser Leu Ala Ser Gln Val Leu Gly Ile His
-5 1 5

<210> 1093

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1093

Met His Leu Tyr Thr His Val Cys Trp Leu Thr Leu Thr Leu Ala His
-15 -10 -5
Ser His Ser Leu Thr His Thr His Thr Leu Thr Pro Ser His Thr Arg
1 5 10
Thr His Ser His Thr Cys Ala Cys Leu His Ala His Lys
15 20 25

<210> 1094

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1094

Met Arg Leu Ser Leu Thr Phe Tyr His Phe Pro Leu Cys Trp Gly His
-15 -10 -5 1
Gln Ala Val Pro Thr Trp Trp Xaa Xaa Ile Ile Gln Pro Cys His Cys
5 10 15

Ala Leu Cys Thr Ser Ala Glu Gly Val Gln Ser His Ile Ile Ser Xaa
 20 25 30
 Ile Tyr Arg
 35

<210> 1095
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1095
 Met Asn Val Leu Ile Ile Val Phe Val Ala Phe Ala Phe Gly Phe Leu
 -10 -5 1
 Val Met Lys Ser Leu Leu Lys Pro Met Ser Arg Arg Val Phe Leu Met
 5 10 15
 Leu Ser Ser Arg Ile Phe Met Val Ser Gly Leu Arg Phe Lys Ser Leu
 20 25 30
 Ile His Leu Glu Leu Ile Phe Val Tyr Lys Leu Arg Asp Glu Asp Pro
 35 40 45 50
 Val Ser Phe Phe Tyr Met Trp Leu Ala Asn Tyr Pro Ser Thr Ile Cys
 55 60 65

<210> 1096
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1096
 Met Ser Arg Arg Ser Met Leu Leu Ala Trp Ala Leu Pro Ser Leu Leu
 -20 -15 -10 -5
 Arg Leu Gly Ala Ala Gln Glu Thr Glu Asp Pro Ala Cys Cys Ser Pro
 1 5 10
 Ile Val Pro Arg Asn Glu Trp Lys Ala Leu Ala Ser Glu Cys Ala Gln
 15 20 25
 His Leu Ser Leu Pro Leu Arg Tyr Val Val Val Ser His Thr Ala Gly
 30 35 40
 Ser Ser Cys Asn Thr Xaa Ala Ser Cys Gln Gln Gln Ala Arg Asn Val
 45 50 55 60
 Gln His Tyr His Met Lys Thr Leu Gly Trp Cys Asp Val Gly Tyr Asn
 65 70 75
 Xaa Leu Asp Trp Arg Arg Arg Ala Arg Ile Xaa Gly Pro Trp Xaa Glu
 80 85 90
 Leu His Gly Xaa
 95

<210> 1097

<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1097
Met Val Phe Leu Phe Leu Met Ile Ser Val Phe Ala Gly Cys Gln Ile
 -10 -5 1
Pro Ser Gly
 5

<210> 1098
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 1098
Met Gly Ser Arg Pro Val Ser Xaa Ala Gly Leu Glu Leu Leu Ala Ser
 -20 -15 -10
Ser Asn Ser Ser Ala Leu Pro Phe Gln Cys Ser Gly Ile Thr Gly Met
-5 1 5 10
Ser Xaa His Thr Leu Ala
 15

<210> 1099
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -13..-1

<400> 1099
Met Leu Cys His Leu Ser Leu Val Phe Leu Gly Xaa Gly Gln Phe Trp
 -10 -5 1
Ser Gln Asn
 5

<210> 1100
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 1100
 Met Thr Asn Leu Phe Met Cys Leu Phe Ala Ile Cys Ile Ser Ser Asn
 -15 -10 -5
 Ala Lys Cys Leu Phe Ser Leu Phe Pro Phe Phe Ile Glu Gly
 1 5 10

<210> 1101
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1101
 Met Leu Gly Tyr Ile Trp Xaa Gln Asp Lys Val Phe Ala Asn Cys Val
 -25 -20 -15
 Leu Phe Thr Leu Leu Val Ser Thr Arg Ser Gly Arg Ser Arg Ala Gly
 -10 -5 1 5
 Cys Ala Trp Arg Trp Arg Gly Arg Trp Ser Val Gly Gln Lys Gly Xaa
 10 15 20

<210> 1102
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1102
 Met Xaa Leu Ile Leu Ser Leu Gln Val Cys Arg Pro Ala Thr Leu Asp
 -15 -10 -5 1
 Gln Ala Thr Arg Ala Thr Thr Pro Cys Arg Leu Arg
 5 10

<210> 1103
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -37..-1

<400> 1103
 Met Cys His Arg Arg Trp Leu His Leu Ser Thr Arg His Leu Gly Phe
 -35 -30 -25
 Lys Pro Arg Ile His Tyr Val Phe Val Leu Met Leu Ser Leu Pro Leu
 -20 -15 -10
 Pro Pro Thr Pro Gln Gln Ala Leu Gly

-5

1

<210> 1104
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 1104
Met Asp His Val Val Ile Phe Val Ile Phe Pro Ala Ala Leu Leu Leu
 -15 -10 -5
Cys Trp Gly Gly Leu Ile Pro Leu Cys Ile Ile Tyr Pro Pro Ile Ala
 1 5 10
Asp Thr Val Gly
 15

<210> 1105
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25..-1

<400> 1105
Met Leu Thr Asn Leu Phe Phe Gln Val Ala His Pro Leu Ile Ile Ile
-25 -20 -15 -10
Leu Xaa Phe Asp Ile Tyr Ser Leu Ala Phe Ile His Asp Val
 -5 1 5

<210> 1106
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1106
Met Leu Phe Gly Leu Arg Gly Met Leu Pro Leu Thr Gln Gln Ala Pro
 -10 -5 1
Ile Pro His Leu Arg Cys Lys Leu Ser Val Thr
 5 10

<210> 1107
<211> 79
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL

<222> -21..-1

<400> 1107

Met Arg Val Cys Met Arg Leu Cys Ala Cys Val Tyr Ala Cys Val Cys
-20 -15 -10
Ala Ser Val Ser Ala Cys Val Tyr Xaa Cys Val Cys Met Xaa Val Arg
-5 1 5 10
Ala His Leu Cys Val Cys Met Cys Val Cys Met Cys Val His Leu Cys
15 20 25
Val Cys Met Cys Val Cys Val Cys Ala Ser Val Cys Val Cys Met Cys
30 35 40
Ala Cys Val Cys Met Cys Val Cys Val Arg Ala Ser Val Cys Val
45 50 55

<210> 1108

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -21..-1

<400> 1108

Met Val Ile Thr Ser Asn Ser Tyr Leu Ile Ala Asn Leu Val Leu Phe
-20 -15 -10
Ile Ser Ile Ala Ala Leu Arg
-5 1

<210> 1109

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -51..-1

<400> 1109

Met Glu Glu Leu Asp Arg Lys Trp Arg Glu Lys Val Leu Pro Ala Ala
-50 -45 -40
Lys Leu Ile Lys Arg Arg Asn Leu Phe Ser Thr Cys Thr Pro Gln Tyr
-35 -30 -25 -20
Gly Thr His Ala Ala Phe Leu Ser Leu His Ala Ser Leu Val Thr Lys
-15 -10 -5
Ala Phe Ser Ile Asn Ser Trp Glu Trp
1 5

<210> 1110

<211> 27

<212> PRT

<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

 <400> 1110
 Met Val Ser Gly Ala Gln Ala Pro Ser Ser Gln Arg Pro Leu Leu Leu
 -25 -20 -15 -10
 Cys Pro Leu Ser Ser Gly Ser Pro Cys Pro Arg
 -5 1

<210> 1111
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

 <400> 1111
 Met Ser Cys Leu Leu Arg Ala Tyr Ile Ile Trp Ile Phe Pro Ser Phe
 -25 -20 -15
 Leu Pro Ser Leu Leu Ser Ser Phe Leu Leu Ser Leu Pro Pro Ser Gly
 -10 -5 1 5

<210> 1112
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

 <400> 1112
 Met Phe Gln Leu Leu Ile Leu Cys Gln Met Asn Ser Leu Lys Ile Phe
 -35 -30 -25
 Ser Pro Ile Leu Gly Trp Ser Leu His Phe Val Tyr Cys Phe Leu Cys
 -20 -15 -10 -5
 Cys Ala Glu Ala Phe Leu Leu Asp Met Ile Pro Phe Met Gln Phe Tyr
 1 5 10
 Phe Gly Tyr Leu Cys Leu Trp Gly Ile Thr Leu Lys Ile Phe Ala Gln
 15 20 25
 Ser Asn Trp
 30

<210> 1113
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL

<222> -48..-1

<400> 1113

Met Ala Leu Leu Gly Lys Arg Cys Asp Val Pro Thr Asn Gly Cys Gly
 -45 -40 -35
Pro Asp Arg Xaa Xaa Xaa Gly Xaa Asn Pro Gln Xaa Arg Asp His His
 -30 -25 -20
Gln Xaa Xaa Val Cys Leu Arg Leu His Val Leu Ser Ala Val Gln Thr
 -15 -10 -5
Glu Arg Arg Gly Asp Gly
1 5

<210> 1114

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -32..-1

<400> 1114

Met Arg Pro Ala Leu Arg Ser Phe Trp His Ser Ser Gly Gly Pro Pro
 -30 -25 -20
Pro Ser Ala Thr Leu Ala Leu Leu Ser Ser Asp Ser Val Ala Thr Gly
 -15 -10 -5
Ser Val Val Ser Arg
1 5

<210> 1115

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 1115

Met Leu Cys Ala Cys Lys Ala Arg Gly Val Met Leu Leu Leu Phe Ser
 -25 -20 -15
Gly Trp Leu Val Trp Trp Gly Ser Arg Ser Ser Gln Xaa Leu Arg Met
-10 -5 1 5
Pro Glu Xaa Xaa Val Ser Gly Glu Gly Arg Ser Asp Xaa Xaa Pro His
 10 15 20
Gly

<210> 1116

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -42..-1

<400> 1116

Met	Ile	Ser	Ser	Ser	Leu	Ser	Gly	Arg	Val	Pro	Val	Ile	Leu	Gly	Asn
		-40					-35					-30			
Leu	Met	Gly	Val	Gly	Ala	Ala	Val	Arg	Arg	Met	Gly	Phe	Ser	Leu	Ile
	-25				-20						-15				
Leu	Pro	Thr	Ser	Pro	Ser	Pro	Ala	His	Ser	Gly	Ser	Ala	Pro	Ser	Ala
-10					-5					1				5	
Gly	Pro	Arg													

<210> 1117

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -46..-1

<400> 1117

Met	Gly	Ile	Ile	Gln	Xaa	Ile	Leu	Ala	Thr	Ser	Arg	Asp	Cys	Tyr	Ser
	-45					-40					-35				
Phe	Lys	Lys	Lys	Pro	Ile	Pro	Lys	Lys	Pro	Thr	Met	Leu	Ala	Leu	Ala
-30				-25					-20					-15	
Lys	Ile	Leu	Leu	Ile	Ser	Thr	Leu	Phe	Tyr	Ser	Leu	Leu	Ser	Gly	Ser
				-10					-5					1	
His	Gly	Lys	Xaa	Asn	Gln	Asp	Val								
		5					10								

<210> 1118

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1118

Met	Met	Leu	Ser	Thr	Phe	Ser	Tyr	Ala	Cys	Leu	Pro	Phe	Val	Cys	Leu
		-20					-15					-10			
Leu	Leu	Arg	Asn	Val	Tyr	Ser	Asp	Leu	Leu	Pro	Asn	Arg			
		-5					1				5				

<210> 1119

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1119
 Met Leu Ala Ile Leu Thr Gly Gly Arg Trp Tyr Leu Ile Val Val Leu
 -20 -15 -10
 Val Cys Ile Ser Leu Val Ile Ile Asp Asp Asp Glu His Gly
 -5 1 5

<210> 1120
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1120
 Met Leu Leu Pro Leu Gly Leu Lys Val Leu Gly Leu Gln Ala Arg Gly
 -10 -5 1
 Thr Thr

<210> 1121
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1121
 Met Arg Pro Thr Met Glu Phe His Ser Val Leu Cys Gly Val Thr Pro
 -25 -20 -15
 Thr Leu Leu Val Met Trp Leu Ser Pro Gln Met Ala Ser Ser Pro Ser
 -10 -5 1
 Gln Ala Pro Gly Met Glu Pro Cys Ala Ser Gly Ile Ser Gln Arg Ala
 5 10 15 20

<210> 1122
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 1122
 Met Gly Lys Lys Lys Ile Trp Thr Pro Ser Ser Tyr Pro Met Pro Ser
 -30 -25 -20
 His Lys His Val Ser Leu Cys Leu Leu Thr Val Ala Val Leu Val Leu
 -15 -10 -5
 Thr Phe Lys Ser Leu Ile His Phe Glu Xaa Ile Phe Ala Tyr Glu Ile
 1 5 10 15
 Gly Val Gln Gly

<210> 1123

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1123

Met	Ser	Pro	Val	Leu	Cys	Phe	His	Arg	Cys	Ser	Cys	Pro	Ser	Leu	Leu
				-20					-15					-10	
Ser	Pro	Ile	Ser	Pro	Ser	Gln	Ala	Cys	Pro	Glu	Pro	Leu	Leu	Gly	
			-5					1				5			

<210> 1124

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1124

Met	Leu	Gln	Leu	Ser	Phe	Ser	Val	Phe	Ile	Leu	Ile	Met	Phe	Val	Cys
				-20				-15						-10	
Met	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Tyr	Arg	Leu	Phe	Ser	Ser	Ser
			-5					1				5			
Ser	Pro														
	10														

<210> 1125

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -91..-1

<400> 1125

Met	Lys	Ser	Thr	Val	Ser	Ser	Arg	Glu	Val	Ala	Thr	Val	Asp	Lys	Met
	-90					-85					-80				
Lys	Arg	Arg	His	Ala	Glu	Tyr	Cys	Ala	Gln	Gly	Leu	Gln	Arg	Phe	Lys
-75				-70					-65					-60	
Ala	Gln	Leu	Ser	Gln	Asp	Thr	Leu	Pro	Xaa	His	Pro	His	Leu	Glu	Xaa
			-55					-50					-45		
Glu	Lys	Gly	Leu	Glu	Gly	Leu	Glu	Glu	Asn	Val	Pro	Leu	Lys	Gly	Glu
		-40					-35					-30			
Lys	Pro	Gly	Glu	Gly	Gly	Pro	Glu	Ser	Pro	Lys	Lys	Arg	Arg	Arg	Val
	-25					-20						-15			
Leu	Leu	Gly	Ala	Gly	Ile	Pro	Pro	Val	Ser	Ser	Ala	Pro	Arg	Arg	Gln

-10 -5 1 5
 Ser Gln Gln Ala Thr
 10

<210> 1126
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1126
 Met His Asn Ser Cys Arg Pro Val His Leu Phe Phe Phe Phe Xaa
 -20 -15 -10 -5
 Glu Thr Gly Ser Arg Ser Asn Xaa Trp Leu Glu Xaa Ser Gly Ala Ile
 1 5 10
 Ile Ala Asn Ser
 15

<210> 1127
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 1127
 Met Glu Ala Tyr Leu Asn Asp Ser Leu Leu Thr Pro Ser Asp Ser Pro
 -40 -35 -30
 Asp Phe Glu Ser Val Gln Ala Gly Pro Xaa Ala Arg Pro Thr Phe Arg
 -25 -20 -15
 Leu Tyr Leu Ser Leu Pro Val Ser Gln Ala Gly Pro
 -10 -5 1

<210> 1128
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1128
 Met Pro Ala Leu Gly Pro Ala Leu Leu Gln Gly Ser Leu Xaa Arg Val
 -10 -5 1
 Gly Pro His Pro Pro Ala Pro Ser Thr Asn Cys Ile His Ser Gln Trp
 5 10 15
 His Val Ser Ala Ala Xaa Gly Lys Gly Pro His Leu Arg His Pro Leu
 20 25 30

Xaa Gly Xaa Tyr Gln Leu Pro Val Pro Ala Glu Pro Trp Ala Ala Ala
 35 40 45 50
 Gly Gly His Ser Val His
 55

<210> 1129
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1129
 Met Val Gly Ile Leu Pro Leu Cys Cys Ser Gly Cys Val Pro Ser Leu
 -15 -10 -5
 Cys Cys Ser Ser Tyr
 1

<210> 1130
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1130
 Met Ala His Ser Ile Leu Leu Leu Ala Ser Gln Ala Gly Cys Leu Arg
 -10 -5 1
 Ser Phe Leu Gly Asn Trp
 5

<210> 1131
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1131
 Met Thr Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Ile Phe Lys
 -20 -15 -10 -5
 Gly Val His Cys Glu Gly Xaa Ile Gly Gly Val Gly Gly Ala
 1 5 10

<210> 1132
 <211> 16
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1132

Met Asn Thr Val Phe Leu Leu Leu Phe Phe Gly Cys Phe Phe Phe Glu
-10 -5 1

<210> 1133

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1133

Met Trp Ala Ser Ser Pro Trp Pro Ser Ala Trp Ser Cys Cys Cys Leu
-20 -15 -10
Ser Ser Ser Ser Phe Ile Ala Gly Arg Arg Arg Gly Trp Thr Gln Met
-5 1 5
Trp Leu Thr Arg Pro Phe Ser Pro Gln Ala Ser Ser Pro Ser Ala
10 15 20

<210> 1134

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -33..-1

<400> 1134

Met Thr Met Pro Ile Ser Ser Tyr Ser Gln Asn Val Leu Ser Asn Phe
-30 -25 -20
His Asp Gly Tyr Phe Met Leu Ile Ile Leu Ser Ala Ile Leu Leu Asn
-15 -10 -5
Ser Phe Ile Gly Cys Val Ser Phe Tyr His Cys Phe Ser Trp Gly Ser
1 5 10 15
Gly

<210> 1135

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 1135

Met Leu Thr His Gly Ala Ser Leu Ser Leu Val Ile Phe Leu Leu Thr
 -20 -15 -10 -5
 Val Lys His Cys Phe Arg Tyr Arg Val Tyr Lys Thr
 1 5

<210> 1136
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1136
 Met Ser Ser Val Glu Thr Asp Trp Gly Phe Trp Thr Ser Ile Pro Ile
 -20 -15 -10
 Leu Pro Leu Ser Ser Gly Arg Gln Leu Pro Leu Pro Thr Arg Glu Trp
 -5 1 5 10
 Gly Met Trp

<210> 1137
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 1137
 Met Phe Ala Ser Pro Arg Arg Trp Ser Ser Xaa Lys Ala Phe Ser Gly
 -30 -25 -20
 Gln Arg Thr Leu Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe
 -15 -10 -5
 Ser Thr Thr Ser Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys
 1 5 10 15
 Val Pro Lys Pro Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp
 20 25 30
 Met Pro Val Ser Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu Val
 35 40 45
 Val Xaa

<210> 1138
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1138
 Met Pro Ile His Ser Val Phe Leu Cys Ala Pro Ala Leu Val Phe Pro

-15 -10 -5
 Arg Pro Val Ala Trp Lys Ala Glu Arg Pro Ser Leu Cys Phe Gly Ala
 1 5 10 15
 Ser Leu Pro Pro Leu Gly Arg Ser Leu Leu Gly Gln Gly Ser Ser Phe
 20 25 30
 Ile Ser Trp Gly Thr Gln Ala Ala Ile Val Glu Leu Xaa Pro His
 35 40 45

<210> 1139
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -62..-1

<400> 1139
 Met Val Tyr Asp Glu Lys Ser Leu Ser Cys Ser His Thr Pro Ala Thr
 -60 -55 -50
 Gln Phe Leu Ser Trp Asp Ala Ser Ser Val Tyr Ser Phe Leu Tyr Ile
 -45 -40 -35
 Leu Ser Ala Arg Val Asn Val Asp Val Xaa Xaa Tyr Ile Arg Val Tyr
 -30 -25 -20 -15
 Ile Leu Ala Cys Val Phe Phe Leu Ser His Pro Leu Phe Xaa Xaa Pro
 -10 -5 1
 Asn Gly Ser Val Tyr Cys Xaa Arg His Ser Pro Pro Tyr Leu Phe Cys
 5 10 15

<210> 1140
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

<400> 1140
 Met Leu Pro Leu Ser Pro Thr Lys Phe Leu Asn Val Phe Leu Gly Leu
 -35 -30 -25
 Phe Leu Tyr Tyr Leu Gln Leu Val Cys Leu Leu Ile Ile Ser Leu Val
 -20 -15 -10 -5
 Leu Ile Ser Gly Leu Gly
 1

<210> 1141
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1141
Met Asp Lys Val Glu Leu Pro Pro Pro Asp Leu Gly Pro Ser Ser Ala
-25 -20 -15
Leu Asn Gln Thr Leu Met Leu Leu Arg Glu Val Leu Ala Ser His Asp
-10 -5 1
Ser Ser Val Val Pro Leu Asp Ala Arg Gln Ala Asp Phe Val Gln Gly
5 10 15

<210> 1142
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -32..-1

<400> 1142
Met Gly Gly Thr Ala Gly Trp Ser Ser Gln Asn Thr His Asn Ile Xaa
-30 -25 -20
Val His His Leu Val Trp Leu Trp Phe Val Val Pro Gln Thr Ile Thr
-15 -10 -5
Met Ile Thr Pro Lys Ile Thr Glu His Arg Pro Xaa Ile Thr Asp Xaa
1 5 10 15
Xaa Ile Met Xaa Thr Phe Glu Xaa Leu Gly Glu Leu Pro
20 25

<210> 1143
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1143
Met Cys Leu Ser Val Ala Leu Tyr Leu Cys Val Cys Val Cys Val Cys
-15 -10 -5
Leu Ile Ala Arg Val Tyr Phe Cys Ile Tyr Val Cys Val Trp
1 5 10

<210> 1144
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1144
Met Leu His Leu Leu Phe Gly Leu Phe Pro Val Leu Trp Met Phe Leu

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(The following are the names of the persons who have been elected to the various offices of the Association, as reported by the Secretary.)

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(The following are the names of the persons who have been elected to the various offices of the Association, as reported by the Secretary.)

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Pro Lys Thr Thr Xaa Gln
30

<210> 1148
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -42..-1

<400> 1148
Met Tyr Leu Ile Arg Glu Ser His Ala Ser Gly Ser Ser Ser Val Thr
-40 -35 -30
Ser Ser Cys Ser Leu Xaa Ser Xaa Ser Pro Asn Pro Gln Ala Met Ala
-25 -20 -15
Xaa Leu Phe Leu Ser Ala Pro Pro Gln Ala Glu Val Thr Phe Glu Asp
-10 -5 1 5
Val Ala Val Tyr Leu Ser Arg Glu Glu Trp Gly Arg Leu Gly Pro Ala
10 15 20
Gln Arg Gly Xaa Tyr Arg Asp Val Met Leu Glu Thr Tyr Xaa Asn Xaa
25 30 35
Val Ser Leu Gly Val Gly Pro Ala Gly Pro Lys Xaa Gly Val Ile Ser
40 45 50
Gln Leu Glu Arg Gly Asp Glu Pro Trp Val Leu Asp Val Gln Gly Thr
55 60 65 70
Ser Gly Lys Glu His Leu Lys Lys Ser Thr Ala Gln Leu Leu Gly Pro
75 80 85
Glu Leu Lys Tyr Lys Glu Leu
90

<210> 1149
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -37..-1

<400> 1149
Met Ile Pro Arg Arg Thr Ser Ala Ser Arg Ala Pro Ser Val Pro Gln
-35 -30 -25
Asn Ala Gly Leu Ser Pro Leu Pro Ala Leu Ser Ser Leu Cys Val Ser
-20 -15 -10
Trp Gly Thr Ser Ser Thr Val Thr Arg Leu Arg Pro Trp Ile Ser Pro
-5 1 5 10
Thr Trp Thr Ser Arg Ala Arg
15

<210> 1150
<211> 56
<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1150

```
Met Val Cys Ile Phe Cys Phe Leu Thr Ser Lys Ala Phe Pro Asn Pro
                    -10                    -5                    1
Arg Ser Gln Asp Phe Leu Leu Asp Phe Ser Arg His Xaa Ile Gly Leu
                    5                    10                    15
Gly Phe Thr Phe Arg Ser Ala Met His Phe Glu Asn Phe Arg Leu Xaa
    20                    25                    30
Gly Leu Gly Gln Asp Ser Leu Cys
35                    40
```

<210> 1151

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 1151

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Met Xaa Xaa Tyr Xaa Xaa Xaa Gly Phe Cys Ser Val Thr Ser Ser Pro
-20                    -15                    -10                    -5
Leu Ala Ser Ala Gly Arg Thr Thr Arg
                    1                    5
```

<210> 1152

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1152

```
Met Ser Leu Xaa Xaa Leu Cys Asp Pro Asp Leu Val Pro Cys Pro Leu
                    -20                    -15                    -10
Leu Ile Ser Val Ala Leu Ser Val Lys Phe His Ile Xaa Gln Gln Val
                    -5                    1                    5
Asn Leu Pro Cys Ser Ser
10                    15
```

<210> 1153

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL
<222> -39..-1

<400> 1153

Met	Met	Ile	Leu	Ile	Leu	Ile	Leu	Glu	His	Ile	Val	Thr	Xaa	Lys	Arg
			-35						-30					-25	
Asn	Pro	Lys	Pro	Val	Thr	Val	Pro	Ala	Phe	Leu	Xaa	Pro	Cys	Leu	Thr
		-20						-15					-10		
Ser	Phe	Ser	Cys	Xaa	Gly	Ala	Ser	Phe	Ser	Leu	Xaa	Gly	Xaa	Arg	Arg
		-5					1			5					
Gly	Trp	Gln	His	Gly	Ser	Cys	Cys	Ser	Thr	Ile	Pro	Leu	Phe	Xaa	Thr
10				15					20					25	
Leu	Asn	Ser	Leu	Gly	Gln	Gly	Leu	Ile	Gly	Pro	Ala	Tyr	Ile	Gly	Ala
			30					35						40	

<210> 1154
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 1154

Met	Ser	Thr	His	Ala	Ile	Ser	Ile	Leu	Leu	Cys	Ile	Gly	Ala	Ser	Ser
	-15					-10				-5					
Gln	Gly	Arg													
1															

<210> 1155
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -31..-1

<400> 1155

Met	Glu	Glu	Gln	Glu	Thr	Glu	Glu	Val	Gly	Gly	Arg	Ser	Ser	Arg	Lys
	-30					-25					-20				
Asn	Ala	Ala	Thr	Val	Asn	Ala	Ala	Ser	Leu	Pro	Pro	Cys	Phe	Gly	Val
-15					-10				-5					1	
Lys	Ser	Cys	Arg	Cys	Arg	Arg	Cys	Ser	Cys	Arg	Arg	Cys	Leu	Leu	Tyr
		5					10					15			
Phe	Ser	Trp	Pro	Arg	Gly	Arg	Ile	Ser	Pro	Pro	Val	Gly	Gln	Cys	Ala
	20						25					30			
Gly	Arg	Gly													
	35														

<210> 1156
<211> 145
<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -33..-1

<400> 1156

Met Arg Gly Ile Gln Ala Lys Gly Ser Pro Gly Gln Ser Ser Ala Xaa
-30 -25 -20
Val Leu Xaa Pro Cys Cys Cys His Ala Gly Ala Ser Ser Gly Ala Thr
-15 -10 -5
Ala Trp Glu Glu Thr Pro Arg Ser Arg Cys His Ile Ala Val Xaa Ser
1 5 10 15
Thr Asn Thr Ala Ser Arg Gly Arg Thr Trp Cys Arg Ala Thr Gly Pro
20 25 30
Cys Pro Ser Gly Pro Thr Arg Gly Val Ser Arg Ser Arg Gly Leu Gly
35 40 45
Ala Gly Phe Leu Ser Pro Phe Cys Cys Leu Phe Ala Phe His Pro Arg
50 55 60
Leu Pro Trp Cys Ala Glu Val Pro Val Pro Ala Ala His His Met
65 70 75
Arg Cys Gly Gly Asp Leu Leu Ala Ala Pro Pro Pro Gly Pro Ser Trp
80 85 90 95
Phe Ala Arg Phe Pro Pro Leu Val Pro Glu Ser Phe Pro His His Ser
100 105 110
Val

<210> 1157

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1157

Met Phe Ser Ser Arg Ser Phe Met Val Ser Gly Leu Ile Trp Val Phe
-20 -15 -10
Gly Leu Val Ser Val Leu Ser Xaa Phe Leu Cys Met Val Tyr Asp Gln
-5 1 5
Gly Gln
10

<210> 1158

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -13..-1

<400> 1158

Met Leu Leu Ala Val Ser Leu Ser Leu Val Ser Asn Cys Asn Phe Val
 -10 -5 1
 Leu Thr Asp Gln Leu Phe Pro Ala Pro Ala Ser Leu Ile Pro Glu
 5 10 15

<210> 1159
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1159
 Met Asn Gln Asp Phe Asn Pro Glu Ile Glu Ala Ser Pro Gln Val Lys
 -25 -20 -15
 Thr Gly Val Phe Leu Phe Ser Ile Ile Gly Ser Phe Gly Phe Pro Gly
 -10 -5 1
 Met Cys Asn Cys Lys Asn Pro Ala Arg
 5 10

<210> 1160
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1160
 Met Pro Cys Ser Trp Ser His Ile Val Ser Ser Leu Phe Ser Trp Leu
 -20 -15 -10 -5
 Leu Ser Leu Thr Ser Val Pro Gly
 1

<210> 1161
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> -28..-1

<400> 1161
 Met Phe Phe Phe Gly Tyr Ser Glu Asp Ile Tyr Cys Val Ser Gly Pro
 -25 -20 -15
 Val Leu Ser Cys Cys Cys Leu Thr Ala Gly Arg Ala Arg Leu Trp
 -10 -5 1

<210> 1162
 <211> 58

<212> PRT
<213> Homo sapiens

<220>
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<222> -16..-1

<400> 1162
Met Pro Tyr Ala Ala Leu Ile Cys Pro Trp Ser Ser Gln Val Pro Ser
-15 -10 -5
Ser Pro Pro Ala Ser Leu Glu Ala Ser Ser Asn Val Tyr Leu Gln Glu
1 5 10 15
Ser Arg Ala Ala Tyr Ala Ser Val Pro Ala Gly Pro Glu Val Ala Thr
20 25 30
Gln His Thr Ser Ser Pro Val Thr Pro Met
35 40

<210> 1163
<211> 20
<212> PRT
<213> Homo sapiens

<220>
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<222> -18..-1

<400> 1163
Met Gln Leu Leu Tyr Leu Thr Tyr Ser Leu Ala Phe Leu Leu Phe Ile
-15 -10 -5
Lys Ala Gly Thr
1

<210> 1164
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1164
Met Ala Pro Ser Arg Pro Arg Ala Ala Ala Val Thr Ser Ser Ala Ala
-20 -15 -10 -5
Pro Ser Arg Ala Arg Gln Gly Ala
1

<210> 1165
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL

<222> -42..-1

<400> 1165

Met Leu Ala Ser Ala Pro Arg Leu Asn Ser Ala Asp Arg Pro Met Lys
-40 -35 -30
Thr Ser Val Leu Arg Gln Arg Lys Gly Ser Val Arg Lys Gln His Leu
-25 -20 -15
Leu Ser Trp Ala Xaa Gln Xaa Gly Arg Xaa Gln Val Val Glu Ile Leu
-10 -5 1 5
Gln Ser Glu Lys Gln Thr Xaa Xaa Asp
10 15

<210> 1166

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -38..-1

<400> 1166

Met Tyr Pro Leu Gly Arg Gly Glu Gln Gly Pro Ala Ala Pro Lys Ser
-35 -30 -25
Trp Leu Leu Leu Pro Thr Thr Leu Ala Leu His Gly Ser Leu Asp Ala
-20 -15 -10
Val Ser Gln Ala Gln Gly Arg Pro Gly His Pro Asp Ala Pro Pro
-5 1 5

<210> 1167

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1167

Met Arg Val Phe Ile Ala Ala Leu Phe Thr Ile Ala Glu Thr Trp Asn
-15 -10 -5
Gln Pro Lys Cys Pro
1 5

<210> 1168

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -30..-1

<400> 1168

Met Ala Lys Gly Leu Arg Val Asn Leu Gly Glu Leu Val Glu Ser Met
 -30 -25 -20 -15
 Arg Leu Cys Phe Leu Ser Val His Phe Arg Leu Arg Trp Gly Asp Ser
 -10 -5 1
 Cys Pro Ser Ser Pro His Arg Glu Thr Phe Pro Ala Gly Pro Val Asn
 5 10 15
 Gly Pro Leu Tyr His Pro Arg
 20 25

<210> 1169
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1169
 Met Pro Ser Pro Gln Leu Leu Val Leu Phe Gly Ser Gln Thr Gly Thr
 -15 -10 -5
 Ala Gln Asp Val Ser Glu Arg Leu Gly Arg Glu Ala Arg Gly Arg Arg
 1 5 10 15
 Leu Gly Cys Arg Val Gln Ala Leu Asp Ser Tyr Pro Val Val Asn Leu
 20 25 30
 Ile Asn Glu Pro Leu Val Ile Phe Val Cys Ala Thr Xaa Gly Gln Gly
 35 40 45
 Asp Pro Pro Asp Asn Met Lys Asn Phe Trp Arg Phe Ile Phe Arg Lys
 50 55 60
 Asn Leu Pro Ser Thr Ala Arg
 65 70

<210> 1170
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -41..-1

<400> 1170
 Met Ser Ser Ile Leu Gly Val Ser Ser Ser Trp Trp Tyr Leu Tyr Tyr
 -40 -35 -30
 Gly Tyr Cys Ile Phe Val Lys Lys Cys Ser Phe Cys Ser Phe Leu Phe
 -25 -20 -15 -10
 Leu Ala Cys Ile Phe Gln Gly Xaa Ser Xaa Xaa Xaa Asn Thr Gln Ser
 -5 1 5

<210> 1171
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1171
 Met Gly Ser Val Leu Gly Leu Cys Ser Met Ala Ser Trp Ile Pro Cys
 -25 -20 -15
 Leu Cys Gly Ser Ala Pro Cys Leu Leu Cys Arg Cys Cys Pro Ser Gly
 -10 -5 1
 Asn Asn Ser Thr Val Thr Arg Leu Ile Tyr Ala Leu Phe Leu Leu Val
 5 10 15 20
 Gly Val Trp

<210> 1172
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -46..-1

<400> 1172
 Met Ser Xaa Xaa Xaa Arg Leu Xaa Arg Gln Leu Leu Ser Gln Xaa Arg
 -45 -40 -35
 Xaa Met Thr Cys Glu Asn Glu Ala Gly Ala Gln Cys Gln Lys Ser Ser
 -30 -25 -20 -15
 Phe Ile Gly Ser Cys Ser Val Met Ser Ser Gly Ala Leu Cys Val Pro
 -10 -5 1
 Leu Tyr Tyr Leu Ala Lys Gly Asn Met Cys Ser Ile Cys Gly Met Leu
 5 10 15
 Lys Glu Met Asn Gly Leu Trp Ser Glu Cys Asp Ser Leu Lys Asn Thr
 20 25 30
 Phe Ile Val Trp Xaa Cys Ile Phe Ser Cys Leu Gly Met Gln Leu Xaa
 35 40 45 50
 Ser Ser Xaa Val Ser Asn Val Arg Leu Leu Ser His
 55 60

<210> 1173
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1173
 Met Pro His Pro Leu Ala Thr Ser Ala Phe Leu Arg Ser Ala Phe Pro
 -25 -20 -15
 Phe Val Cys Leu Thr Phe Cys Val Gly Gly Gly Pro Gly Ile Ser Gly
 -10 -5 1 5
 Val Tyr Arg Leu Leu Met Ala Asn Ala Thr Arg Arg Glu Ser Glu Val
 10 15 20

Ser Leu Arg Gly Leu Gly Arg Asp Gly Glu Gly Ala Arg Ala Thr Pro
 25 30 35

<210> 1174
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1174
 Met Thr Val Gly Leu His Ile Leu Arg Asp Ser Leu Met Val Phe Leu
 -20 -15 -10
 Asn Leu Phe Phe Leu Asn Cys Asp Pro His Arg
 -5 1

<210> 1175
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1175
 Met Val Arg Trp Gly His Pro Pro Met Phe Cys Val Ser Leu Leu Leu
 -20 -15 -10
 His His Ala Tyr Pro Leu Pro Ser Thr Met Ile Val Ser Phe Pro Arg
 -5 1 5 10
 Pro Pro Leu

<210> 1176
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1176
 Met Ala Gly Ala Ala Arg Trp Val Gly Gln Xaa Ser Ser Ala Met Val
 -25 -20 -15
 Cys Phe Gly Cys Pro Gly Gly Ala Ser Ser Arg Cys Arg Ser Pro Arg
 -10 -5 1 5
 Gly Arg Gln Ala Ser Arg Val Pro Arg Leu Glu Asn Gly Ala Gln Arg
 10 15 20
 Val Val Arg Thr Met Val His Leu Val Leu Gln Pro Lys Arg Val Thr
 25 30 35
 Leu Val His Pro Pro Arg Gly Leu Glu Pro Val Cys Thr Pro Ile Ala
 40 45 50

Xaa Met Xaa Pro Lys Ser His Gly Leu Arg Ser Ser Leu
55 60 65

<210> 1177
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -34..-1

<400> 1177
Met Gly Val Val Ser Gly Gly Val Gly Asp Leu Thr Thr Lys Thr Gln
-30 -25 -20
Glu Asn Gly Leu Leu Pro Xaa Leu Leu Ser Xaa Leu His Gly Leu Leu
-15 -10 -5
Tyr Gly Ser Pro Asp Ala Glu Leu Thr Gly Pro Asp Pro Trp Asp
1 5 10

<210> 1178
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 1178
Met Gly Phe Leu Ser Xaa Thr Cys Val Leu Ser Cys Xaa Arg Ser Leu
-15 -10 -5 1
Ser

<210> 1179
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -39..-1

<400> 1179
Met Glu Tyr Gly Ser Ala Lys Leu Ser Ser Gly Arg Val Phe Tyr Leu
-35 -30 -25
Pro Arg Asp Phe Gly Ile Glu Arg Arg Val Leu Val Cys Phe Phe Asn
-20 -15 -10
Ser Val Ser Phe Leu Phe Gly Val Ser Xaa Lys Lys Ser Xaa Gln Trp
-5 1 5

<210> 1180
<211> 17
<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -13..-1

<400> 1180

Met Leu Ser Gly Leu Val Leu Asn Ser Trp Ala Leu Ala Tyr Gln Leu
 -10 -5 1
Ala

<210> 1181

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1181

Met Arg Leu Val Phe Phe Xaa Gly Xaa Ser Ile Ile Leu Val Leu Gly
 -15 -10 -5
Ser Thr Phe Xaa Ala Tyr Leu
1 5

<210> 1182

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1182

Met Leu Ser Ser Asp Phe Phe Leu Leu Phe Val Ser Leu Ser Leu Ser
 -15 -10 -5
Pro Phe Pro Phe Phe Leu Phe Pro Pro Leu Phe Ser Cys Phe Leu Leu
1 5 10 15
Pro Thr Arg

<210> 1183

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1183

Met Phe Ile Ala Ala Leu Phe Thr Val Ala Lys Ile Trp Asn Gln Pro
 -10 -5 1

Lys Cys Pro Ser Thr Asp Glu Trp Ile Asn Lys Met Trp Tyr Ile Tyr
 5 10 15
 Thr Met Glu Tyr Tyr Pro Asp Ile Lys Lys Asn Gly Ile Leu Thr Phe
 20 25 30
 Lys Ala Thr Arg Met Asn Arg Lys Thr Leu
 35 40

<210> 1184
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1184
 Met Cys Val Cys Gly Cys Leu Cys Val Trp Met Cys Val Cys Gly Xaa
 -15 -10 -5 1
 Val Cys Ile Tyr Ile Xaa Val Tyr Val Cys Thr Cys Val Arg Gly
 5 10 15

<210> 1185
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1185
 Met Gly Val Arg Thr Val Cys His Phe Ile Gln Val Phe Leu Ser Leu
 -25 -20 -15
 Phe Val Phe Phe Trp Leu Val Gly Phe Ser Phe Phe Phe Leu Xaa
 -10 -5 1 5
 Phe Ser Thr Lys Gln Val Arg Val Glu Gln His Cys Asp Phe Lys Ser
 10 15 20
 Thr Pro Xaa Val Glu Ser Ser Ser Thr Val Gly His Ala
 25 30 35

<210> 1186
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1186
 Met Tyr His Ile Leu Phe Ile His Ser Phe Ile Asp Arg Tyr Leu Ser
 -25 -20 -15
 Cys Phe Tyr Leu Leu Ala Ile Val Ser Asn Ala Val Met Asn Met Gly

-10 -5 1 5
 Val Gln Met Ser Val Leu Ser Pro Cys Phe Ala Phe Val His Ser Ile
 10 15 20
 Lys Asn Val Lys Val Leu Cys Phe Leu Leu Phe Phe Leu Phe Gly
 25 30 35

<210> 1187
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1187
 Met Gln Phe Thr Val Leu Met Cys Pro Val Gln Trp Leu Leu Val Tyr
 -20 -15 -10
 Ser Pro Ser Cys Ala Ala Thr Ile Thr Val Asn Phe Lys Thr Phe Ser
 -5 1 5 10
 Ser Pro Gln Thr Gly
 15

<210> 1188
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -37..-1

<400> 1188
 Met Arg Arg Ala Trp Thr Gln Glu Arg Glu Pro Arg Pro Cys Glu Pro
 -35 -30 -25
 Ala Glu Arg Ala Asp Pro Ala Pro Val Ser Cys Leu Ser Ala Gly Leu
 -20 -15 -10
 Arg Val Cys Cys Ser Gln Arg Ser
 -5 1

<210> 1189
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1189
 Met Leu His Leu Ile Cys Ile Ser Leu Ile Val Asn Asp Phe Phe Ile
 -25 -20 -15 -10
 Cys Leu Leu Ala Ile Cys Val Ser Ser Phe Glu Asn Cys Leu Phe Met
 -5 1 5

Ser Leu Ala His Ser
10

<210> 1190
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -63..-1

<400> 1190
Met Arg Ser Glu Arg Pro Met Val Trp Cys Cys Leu Phe Val Arg Ser
-60 -55 -50
Gln Arg Lys Arg Lys Gln Ser Thr Gln Asp Glu Asp Ala Val Ser Leu
-45 -40 -35
Cys Ser Leu Asp Ile Ser Glu Pro Ser Asn Lys Arg Val Lys Pro Leu
-30 -25 -20
Ser Arg Val Thr Ser Leu Ala Asn Leu Ile Pro Val Lys Ala Xaa
-15 -10 -5 1
Pro Leu Lys Arg Phe Ser Gln Thr Leu Gln Arg Ser Ile Ser Phe Arg
5 10 15
Ser Glu Ser Arg Pro Asp Ile Leu Ala Pro Arg Pro Trp Ser Arg Asn
20 25 30

<210> 1191
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1191
Met Val Phe Trp Thr Lys Phe Cys Ile Leu Ile Ser Thr Ala Phe Pro
-20 -15 -10 -5
Ser Leu Leu Thr Gln Ile Ile Phe Pro Lys Ser Ile Thr Phe Ala Phe
1 5 10
Gln Phe Phe Trp Asn Arg Glu Lys Gln Lys Thr Lys Thr Pro Thr Gly
15 20 25

<210> 1192
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -37..-1

<400> 1192
Met Ala Ser Leu Leu Cys Cys Gly Pro Lys Leu Ala Ala Cys Gly Ile

-35 -30 -25
 Val Leu Ser Ala Trp Gly Val Ile Met Leu Ile Met Leu Gly Ile Phe
 -20 -15 -10
 Phe Asn Val His Ser Ala Val Leu Ile Glu Asp Val Pro Phe Thr Glu
 -5 1 5 10
 Lys Asp Phe Glu Asn Gly Pro Gln Asn Ile Tyr Asn Leu Tyr Glu His
 15 20 25
 Gly

<210> 1193
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1193
 Met Ser Val Ser Ala Leu Leu Leu Glu Xaa Leu Gln Xaa Ala Ile Pro
 -15 -10 -5
 Arg Xaa Thr Ser Gly Xaa Gln Asp Leu Pro Asn Trp
 1 5 10

<210> 1194
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -39..-1

<400> 1194
 Met Gln Ala Cys Tyr Met Gly Met Trp Tyr Thr Ala Glu Ala Trp Gly
 -35 -30 -25
 Thr Ile Glu Ser Leu Thr Gln Val Val Ser Val Ile Ala Ile Val Ser
 -20 -15 -10
 Phe Thr Thr Leu Cys Ser Ser Leu Tyr Ser Pro Gln Val Val Pro Ser
 -5 1 5
 Val Gly
 10

<210> 1195
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -62..-1

<400> 1195
 Met Met Leu Arg Gly Gly Gly Thr Phe Lys Xaa Cys Leu Ser His Glu

-60 -55 -50
 Gly Ser Ser Phe Thr Lys Gly Leu Ala Gln Glu Cys Val Ser Xaa Ser
 -45 -40 -35
 Cys Gly Thr Arg Leu Ile Thr Ala Val Ala Ser Xaa Tyr Lys Ala Arg
 -30 -25 -20 -15
 Leu Pro Leu Ala Ala Cys Pro Leu Leu Leu Pro Ile Phe Ser His Ala
 -10 -5 1
 Arg Ser Ser
 5

<210> 1196
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 1196
 Met Ala Lys Asn Pro Pro Glu Asn Cys Glu Asp Cys His Ile Leu Asn
 -40 -35 -30 -25
 Ala Glu Ala Phe Lys Ser Lys Lys Ile Cys Lys Ser Leu Lys Ile Cys
 -20 -15 -10
 Gly Leu Val Phe Gly Ile Leu Ala Leu Thr Leu Ile Val Leu Phe Trp
 -5 1 5
 Gly Ser Lys His Phe Trp Pro Glu Val Pro Lys Lys Ala Tyr Asp Met
 10 15 20
 Glu His Thr Thr
 25

<210> 1197
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -41..-1

<400> 1197
 Met Ser Pro Ala Pro Asp Ala Ala Pro Ala Pro Ala Ser Ile Ser Leu
 -40 -35 -30
 Phe Asp Leu Ser Ala Asp Ala Pro Val Phe Gln Gly Leu Ser Leu Val
 -25 -20 -15 -10
 Ser His Ala Pro Gly Glu Ala Leu Ala Arg Ala Pro Arg Thr Ser Cys
 -5 1 5
 Ser Gly Ser Gly Glu Arg Glu Ser Pro Glu Arg Lys Leu Leu Gln Gly
 10 15 20
 Pro Met Asp Ile Ser Glu Lys Leu Phe Cys Ser Thr Cys Asp Gln Thr
 25 30 35
 Phe Gln
 40

<210> 1198
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -35..-1

<400> 1198
 Met Leu Leu His Tyr Leu Lys Leu Lys Gly Asp Gln Trp Lys Leu Ser
 -35 -30 -25 -20
 Ser Val Ser Thr Leu Ile Leu Phe Ile Phe Ile Gly Ser Leu Gln Pro
 -15 -10 -5
 Val Pro Thr Arg Phe Lys Arg Phe Ser Cys Leu Xaa His Leu Ser Ser
 1 5 10
 Arg Asp His Arg Gln Ala Leu Arg
 15 20

<210> 1199
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -153..-1

<400> 1199
 Met Ala Glu Gly Asp Asn Arg Ser Thr Asn Leu Leu Ala Ala Glu Thr
 -150 -145 -140
 Ala Ser Leu Glu Glu Gln Leu Gln Gly Trp Gly Glu Val Met Leu Met
 -135 -130 -125
 Ala Asp Lys Val Leu Arg Trp Glu Arg Ala Trp Phe Pro Pro Ala Ile
 -120 -115 -110
 Met Gly Val Val Ser Leu Val Phe Leu Ile Ile Tyr Tyr Leu Asp Pro
 -105 -100 -95 -90
 Ser Val Leu Ser Gly Val Ser Cys Phe Val Met Phe Leu Cys Leu Ala
 -85 -80 -75
 Asp Tyr Leu Val Pro Ile Leu Ala Pro Arg Ile Phe Gly Ser Asn Lys
 -70 -65 -60
 Trp Thr Thr Glu Gln Gln Gln Arg Phe His Glu Ile Cys Ser Asn Leu
 -55 -50 -45
 Val Lys Thr Arg Arg Arg Ala Val Gly Trp Trp Lys Arg Leu Phe Thr
 -40 -35 -30
 Leu Lys Glu Glu Lys Pro Lys Met Tyr Phe Met Thr Met Ile Val Ser
 -25 -20 -15 -10
 Leu Ala Ala Val Ala Trp Val Gly Gln Gln Val His Asn Leu Leu Leu
 -5 1 5
 Thr Tyr Leu Ile Val Thr Ser Leu Leu Leu Pro Gly Leu Asn Gln
 10 15 20
 His Gly Ile Ile Leu Lys Tyr Ile
 25 30

<210> 1200
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1200
 Met Ala Ala Leu Lys Ala Leu Val Ser Gly Cys Gly Arg Leu Leu Arg
 -25 -20 -15
 Gly Leu Leu Ala Gly Pro Ala Ala Thr Ser Trp Ser Arg Leu Pro Ala
 -10 -5 1 5
 Arg Gly Phe Arg Glu Val Val Glu Thr Gln Glu Gly Lys Thr Thr Ile
 10 15 20
 Ile Glu Gly Arg Ile Thr Ala Thr Pro Lys Glu Ser Pro Asn Pro Pro
 25 30 35
 Asn Pro Ser Gly Gln Cys Pro Ile Cys Arg Trp Asn Leu Lys His Lys
 40 45 50
 Tyr Asn Tyr Asp Asp Val Leu Leu Leu Ser Gln Phe Ile Arg Pro His
 55 60 65 70
 Gly Gly Met Leu Pro
 75

<210> 1201
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1201
 Met Gly Ser Leu Leu Phe Ile Arg Gln Thr Leu Val Gly Phe Lys Gln
 -20 -15 -10
 Val Val Ala Trp Thr Phe Ala Ser Asp Ser His Cys Xaa Xaa Val Xaa
 -5 1 5
 Met Val Xaa Xaa Ser Gln Leu Xaa Asn Pro Pro Leu
 10 15 20

<210> 1202
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1202
 Met Leu Ala Arg Ala Ala Glu Xaa Thr Gly Ala Leu Leu Leu Arg Gly
 -20 -15 -10

Ser Leu Leu Ala Ser Xaa Arg Ala Xaa Xaa Xaa Pro Pro Leu Gly Leu
 -5 1 5
 Xaa Arg Asn Thr Xaa Gly Thr Val Arg Ala Ala Ala Gly Gly Leu Gly
 10 15 20

<210> 1203
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1203
 Met Asn Ala Ser Leu Leu Ser Phe Cys Leu Cys Ser Asp Phe Ile Ser
 -15 -10 -5
 Gln Asp Ala Leu Leu Leu Thr Val Ile Phe Pro Pro
 1 5 10

<210> 1204
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -60..-1

<400> 1204
 Met Leu Asn Met Glu Pro Tyr Thr Val Ser Gly Met Ala Arg Gln Asp
 -60 -55 -50 -45
 Ser Ser Ser Glu Val Gly Glu Asn Gly Arg Ser Val Asp Gln Gly Gly
 -40 -35 -30
 Gly Gly Ser Pro Arg Lys Lys Val Ala Leu Thr Glu Asn Tyr Glu Leu
 -25 -20 -15
 Val Gly Val Ile Val His Ser Gly Gln Ala His Ala Gly His Tyr Tyr
 -10 -5 1
 Ser Phe Ile Lys Asp Arg Arg Gly Cys Gly Lys Gly Lys Trp Leu
 5 10 15

<210> 1205
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1205
 Met Xaa Xaa Ala His Phe Ser Leu His Leu Xaa Ser Ser Arg Xaa Pro
 -20 -15 -10 -5
 Pro Ile Leu Ala Ser Pro Val

1

<210> 1206
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 1206
Met Ile Arg Pro Val Cys Glu Leu Ser Ile Phe Phe Thr Tyr Val Leu
 -15 -10 -5
Ala Ile Tyr Ile Ser Pro Ser Val Asn Cys Leu Phe Ile Ser Phe Pro
 1 5 10 15
Ala

<210> 1207
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29..-1

<400> 1207
Met Arg Gly Cys Gln Leu Leu Gly Leu Arg Ser Ser Trp Pro Gly Asp
 -25 -20 -15
Leu Leu Ser Ala Arg Leu Leu Ser Gln Glu Lys Arg Ala Ala Glu Thr
 -10 -5 1
His Phe Gly Phe Glu Thr Val Ser Glu Glu Glu Lys Arg Gly Asp Leu
 5 10 15
Thr Ser Val Val Ser Leu Glu Tyr Pro Glu Val Gln Leu Gln Gly Gln
20 25 30 35
Arg Val Tyr Ala Phe Leu Ser Pro Ile Cys Thr Tyr Gly Ser Glu Gly
 40 45 50
Cys Ser Leu Lys
 55

<210> 1208
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -35..-1

<400> 1208
Met Glu Asn Leu Pro Phe Pro Leu Lys Leu Leu Ser Ala Ser Ser Leu
-35 -30 -25 -20
Asn Thr Pro Ser Ser Thr Pro Trp Val Leu Asp Ile Phe Leu Thr Leu

Val Phe Ala Leu Gly Phe Phe Phe Leu Leu Leu Pro Tyr Phe Ser Tyr
 -15 -10 -5
 1 5 10
 Leu Arg Cys Asp Asn Pro Pro
 15 20

<210> 1209
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1209
 Met Cys Val Cys Val Phe Ala Ile Phe Gly Val Arg Cys Cys Val Cys
 -10 -5 1
 Val Arg Cys Ile
 5

<210> 1210
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -44..-1

<400> 1210
 Met Ile Cys Ile Phe Tyr Ser Lys Ile Ser Ile Ser Val Gly Cys Gly
 -40 -35 -30
 Arg Thr Ala Ala Glu Gln Val Gly Cys Lys Gln Arg Ser Phe His Xaa
 -25 -20 -15
 Pro Cys Pro Leu Leu Phe Pro Gly Ala Cys Phe Pro Cys Pro
 -10 -5 1

<210> 1211
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1211
 Met Asn Leu Ile Cys Val Ser Leu Met Ala Ser Asp Gly Ala Ser Ser
 -15 -10 -5
 Pro Val Leu Gly Gly Ser Ser His Ser Ser Ser Xaa Xaa
 1 5 10

<210> 1212

<211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -47..-1

<400> 1212
 Met Gly Ser Val Thr Gly Ala Val Leu Lys Thr Leu Leu Leu Leu Ser
 -45 -40 -35
 Thr Gln Asn Trp Asn Arg Val Glu Ala Gly Asn Ser Tyr Asp Cys Asp
 -30 -25 -20
 Asp Pro Leu Val Ser Ala Leu Pro Gln Ala Ser Phe Ser Ser Ser Ser
 -15 -10 -5 1
 Glu Leu Ser Ser Ser His Ser Pro Gly Phe Ala
 5 10

<210> 1213
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1213
 Met Met Ser Glu Xaa Ser Gln Asp Leu Val Val Lys Cys Ala Pro Pro
 -30 -25 -20
 Xaa Pro Phe Phe Leu Leu Phe Leu Phe Ser Ser Cys Asp Val Pro Val
 -15 -10 -5 1
 Pro Leu His Leu Leu Gln Trp Leu Gln Ser Phe Leu Arg Pro Arg
 5 10 15

<210> 1214
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1214
 Met Phe Arg Cys Val Arg Phe Leu Pro Ser Gly Gly Phe Val Val Leu
 -25 -20 -15
 Leu Thr Ser Gly Val Lys Pro Gln Thr Phe Ala Val Ser Val Thr Ala
 -10 -5 1 5
 Leu Lys Gly Gly Met Pro Gly Val Val His Ser Ser Gly Gly Phe Val
 10 15 20
 Val Leu Leu Thr Ser Gly Ala Xaa Cys Arg Pro
 25 30

<210> 1215
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 1215
 Met Arg Val Gly Arg Arg Glu Gly His Pro Leu Phe Pro Asn Val Pro
 -30 -25 -20 -15
 Arg Cys Leu Phe Leu Asn Ala Arg Leu Ala Gly Thr Leu Cys Gln Leu
 -10 -5 1
 Lys Leu Leu Gln Phe Gly Arg Leu Gly Asn Thr Glu Ser His Leu His
 5 10 15
 Gly Leu Ala Gly
 20

<210> 1216
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1216
 Met Tyr Phe Asp Ile Gln Ile Val Ser Asp Val Val Ser Gly Ile Pro
 -30 -25 -20
 Phe Lys Leu Leu Cys Pro Leu Thr Cys Pro His His Ser Leu Ser Thr
 -15 -10 -5 1
 Val

<210> 1217
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1217
 Met Leu Phe Ile Phe Ser Asp Ile Asp Trp Lys Met Asp Leu Cys Phe
 -30 -25 -20
 Phe Ser Phe Ser Pro Phe Leu Pro Ser Leu Pro Leu Leu Glu Ala Glu
 -15 -10 -5 1
 Arg Met Arg Val Ser Asp Gln Leu Gln Tyr Thr Thr Gly Xaa Gly
 5 10 15

<210> 1218
 <211> 61

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -36..-1

<400> 1218
Met Glu Leu Glu Ala Met Ser Arg Tyr Thr Ser Pro Val Asn Pro Ala
-35 -30 -25
Val Phe Pro His Leu Thr Val Val Leu Leu Ala Ile Gly Met Phe Phe
-20 -15 -10 -5
Thr Ala Trp Phe Phe Val Tyr Glu Val Thr Ser Thr Lys Tyr Thr Arg
1 5 10
Asp Ile Tyr Lys Glu Leu Leu Ile Ser Leu Val Ala Arg
15 20 25

<210> 1219
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 1219
Met Lys Gly Ala Leu Lys Leu Ile Ser Thr Asn Phe Ser Leu Cys Gln
-15 -10 -5
Ser Val Gln Cys Pro Ser Glu Glu Thr Ile Thr Asp Leu Val Ser Val
1 5 10 15
Pro Cys Gln Xaa Gly Leu
20

<210> 1220
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -69..-1

<400> 1220
Met Thr Ser Gln Pro Val Pro Asn Glu Thr Ile Ile Val Leu Pro Ser
-65 -60 -55
Asn Val Ile Asn Phe Ser Gln Ala Glu Lys Pro Glu Pro Thr Asn Gln
-50 -45 -40
Gly Gln Asp Ser Leu Lys Lys His Leu His Ala Glu Ile Lys Val Ile
-35 -30 -25
Gly Thr Ile Gln Ile Leu Cys Gly Met Met Val Leu Ser Leu Gly Ile
-20 -15 -10
Ile Leu Ala Ser Ala Ser Phe Ser Pro Asn Phe Thr Gln Val Thr Ser
-5 1 5 10

Thr Leu Leu Asn Ser Ala Tyr Pro Phe Ile Gly Pro Gly
 15 20

<210> 1221
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 1221
 Met Val Asp Glu Cys Leu Thr Glu Pro Val Trp Gly Ser Lys Arg Gln
 -40 -35 -30 -25
 Gly Cys Ser Ser Gln Ala Glu Ala Ser Cys Asp Ile Val Ser Ala Ala
 -20 -15 -10
 Cys Lys Cys Gly Ser Ser Gln Ala Ala Ile Asp Cys Glu Thr Ser Ser
 -5 1 5
 Cys Ser Glu Asp Phe Pro Val
 10 15

<210> 1222
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1222
 Met Ala Trp Trp Phe Ser Gly Thr Phe Pro Leu Thr His Pro Cys Ser
 -10 -5 1
 Gly Tyr Gly Ser Leu Met Ala Pro Ser Ser Pro Thr Pro Ser Gly
 5 10 15

<210> 1223
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -57..-1

<400> 1223
 Met Val Ala Lys Asp Tyr Pro Phe Tyr Leu Thr Val Lys Arg Ala Asn
 -55 -50 -45
 Cys Ser Leu Glu Leu Pro Pro Ala Ser Gly Pro Ala Lys Asp Ala Glu
 -40 -35 -30
 Glu Pro Ser Asn Lys Arg Val Lys Pro Leu Ser Arg Val Thr Ser Leu
 -25 -20 -15 -10
 Ala Asn Leu Ile Pro Pro Val Lys Ala Thr Pro Leu Lys Arg Phe Ser

<220>

<221> SIGNAL

<222> -16..-1

<400> 1226

Met	Ser	Met	Ala	Cys	Phe	Phe	His	Leu	Phe	Val	Ser	Ser	Leu	Ile	Ser
	-15					-10				-5					
Phe	Glu	Gln	Cys	Phe	Xaa	Met	Leu	Arg	Lys	Leu	Leu	Lys	Ile	Ile	
1			5						10					15	

<210> 1227

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -45..-1

<400> 1227

Met	Gly	Ser	Arg	Gly	Asp	Pro	Leu	Ile	Cys	Gly	Leu	Gln	Arg	Ser	Val
-45					-40					-35					-30
Gly	Glu	Val	Trp	Phe	Pro	Gly	Trp	Gly	His	Thr	Ile	Thr	His	Cys	Phe
			-25					-20						-15	
Pro	Trp	Leu	Glu	Val	Gly	Leu	Phe	Phe	Trp	Leu	His	Ala	Ala	Pro	Gly
			-10					-5				1			
Arg	Ala	Ile	Ala	Leu	Pro	His	Phe	Ser	Ser	Phe	Ser	Val	Gly	Gln	Xaa
5					10					15					
Val	His	Leu	Val	Ser	Pro	Leu	Xaa	Xaa	Leu	Asp	Ile	Ser	Val	Glu	
20					25				30						

<210> 1228

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1228

Met	His	Leu	Leu	Gln	Glu	Glu	Leu	Leu	Leu	Leu	Pro	Arg	Gly	Leu	
				-15					-10				-5		
Cys	Gln	Val	Cys	Pro	Arg	Leu	Cys	Leu	Gln	Arg	Xaa	Val	Gly	Glu	Leu
		1				5					10				
Gln	Xaa	Xaa	Xaa	Pro	Asp	Val	Gly	Thr	Ala	Leu	Leu	Pro	Asp	Val	Asn
15					20					25					
Arg	Thr	Ser	Cys	Thr	Thr	Trp									
30					35										

<210> 1229

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -28..-1

<400> 1229

Met Cys Leu Ser Cys Ile Gln Gly Ser Phe Phe Val Glu Ile Leu Gln
 -25 -20 -15
Leu Val Thr Arg Leu Leu Leu Ser Pro Ser Gln Ser Thr Gln Thr His
 -10 -5 1
Thr His Thr His Thr His Thr
5 10

<210> 1230

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -32..-1

<400> 1230

Met Thr Ile Leu Arg Glu Met Xaa Xaa Ser Leu Tyr Val Leu Glu Ala
 -30 -25 -20
Lys Asp Thr Ala Ile Leu Leu Leu Val Xaa Val Ser Asp Lys Asn Glu
 -15 -10 -5
Gln Gln Leu Gly Arg Gly Val
1 5

<210> 1231

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -29..-1

<400> 1231

Met Arg Leu Ser Ser Ser Cys Gly Leu Pro Val Lys Thr Leu Pro Phe
 -25 -20 -15
Ile Cys Cys Asn Leu Tyr Phe Leu Leu Phe Cys Arg Ser Ser Phe Leu
 -10 -5 1
Tyr Phe Gly Tyr Asp Pro Ile Asn Thr Tyr Met Tyr Tyr Asn Val Phe
 5 10 15
Ser His Ser
20

<210> 1232

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -68..-1

<400> 1232

Met Leu Leu Thr Arg Pro Ala Val Ser Ala Gly Gly Ala Xaa Arg Phe
-65 -60 -55
Ser Pro Gly Ser Arg Gly Arg Gly Ser Asp Leu Glu Arg Gly Leu Cys
-50 -45 -40
Pro Ala His Pro Gly Ala Pro Pro Leu Pro Arg Pro Pro Asp Arg Leu
-35 -30 -25
Pro His Ser Phe Ser Pro Thr Gly Cys Leu Leu Xaa Pro Leu Leu Val
-20 -15 -10 -5
Ser Cys Leu Gly Ser Leu Leu Pro Val Thr Gln Thr Leu Gly Ser Phe
1 5 10
Ser Ala Gly Pro Cys Phe Arg Thr Leu
15 20

<210> 1233

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -25..-1

<400> 1233

Met His Ser Leu Cys Pro Leu Ser Gln Phe Leu Pro Ile Leu Xaa Ser
-25 -20 -15 -10
Leu Ser Ser Ser Val Pro Ser Arg Ala Gly Ser Ala Phe Pro Ser Ala
-5 1 5
Leu Gly Pro Leu Tyr Gln Pro Leu Leu Gly Pro Pro Ala Trp
10 15 20

<210> 1234

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -44..-1

<400> 1234

Met Arg Thr Gln Val Tyr Glu Gly Leu Cys Lys Asn Tyr Phe Ser Leu
-40 -35 -30
Ala Val Leu Gln Arg Asp Arg Ile Lys Leu Leu Phe Phe Asp Ile Leu
-25 -20 -15
Val Phe Leu Ser Val Xaa Leu Leu Phe Leu Leu Phe Leu Val Asp Ile
-10 -5 1
Met Ala Asn Xaa Thr Thr Ser Leu Gly Arg Pro
5 10 15

<210> 1235
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -45..-1

<400> 1235
 Met Gly Gln Phe Thr Ala Ala Met Val Gly Arg Ile Ser Cys Leu Gly
 -45 -40 -35 -30
 Val Trp Lys Leu Pro Arg Val Glu Ser Cys Ser Gln Pro Ala Arg Pro
 -25 -20 -15
 Leu Leu Ser Leu Ala Gln Thr Thr Thr Lys Thr Thr Ala Thr Thr Thr
 -10 -5 1
 Thr Thr Thr Lys His Ala Thr Cys Ala Leu Ala Tyr Thr Asn Thr Pro
 5 10 15
 Thr Glu Pro Xaa Gln Ala Asp Lys Ala Ser Arg Arg Ala Ser Gly Xaa
 20 25 30 35
 Leu Xaa Xaa Ala Ala Arg His Ile Pro Trp His Gly Ala Thr Ala Ala
 40 45 50
 Gln Leu Pro Ala Pro Pro Pro Ser Val Ile Ser Ala Leu
 55 60

<210> 1236
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1236
 Met Leu Ile Phe Ile Ile Ala Ile Leu Phe Pro Asn Ser Gly Ser Cys
 -15 -10 -5
 Phe Ala Phe Ser Cys His Val Ser Phe Phe Phe Phe
 1 5 10

<210> 1237
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1237
 Met Val Arg Cys Ala Cys Phe Pro Phe Phe Pro Phe Ala Phe Cys His
 -15 -10 -5 1
 Asp Cys Lys Phe Leu Gly Ala Ser Gln Ser Cys Phe Leu Leu Ser Arg

5 10 15
 Gln Asn Cys Val Ser Thr Gly Xaa Pro Ser Ser Lys Ser Asp Ile Asn
 20 25 30
 Ser Arg Ser Gly Ser Cys Ser Leu Ala Arg
 35 40

<210> 1238
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1238
 Met Val Ser Leu Arg Val Gly Ala Ser Pro Phe Arg Phe Pro Leu Ala
 -25 -20 -15
 Pro Leu Xaa Leu Val Phe Ile Ser Leu Leu Pro Ala Pro Phe Phe Pro
 -10 -5 1 5
 Thr Leu Ser Phe Pro Cys Cys Cys Val Ser Trp Leu Phe Ser Leu Ser
 10 15 20
 Val Xaa Val Ser Leu Arg Leu Ser Leu Xaa Val Ser Cys Leu Ser Leu
 25 30 35
 Trp Cys Leu Leu Val Leu Phe Leu Ser Pro Thr Leu Tyr Val Ser Asp
 40 45 50
 Ser Phe Cys Ser Phe Cys Val Leu Pro Ile Ala Leu Cys Pro Xaa Ala
 55 60 65
 Arg Ser
 70

<210> 1239
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -54..-1

<400> 1239
 Met Ala His Pro Cys Leu Ala Pro Ala Glu Pro Ser Thr Leu Ser Gln
 -50 -45 -40
 Thr Xaa His Pro Ile Gln Arg Thr Leu Thr Thr Phe Pro Gln Ala Trp
 -35 -30 -25
 Val Leu Thr Ser Ser Phe Ser Ile Gln Pro Gly Leu Ala Phe Leu Ala
 -20 -15 -10
 Ile Leu Thr Val Leu Ala Lys Pro Gly Ser Ser Xaa Trp Ser Pro Gly
 -5 1 5 10
 Gln Phe Thr Pro His Ser Leu Leu
 15

<210> 1240
 <211> 35

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -31..-1

<400> 1240
Met His Phe Pro Ile Gln Ala Thr Phe Xaa Tyr Ser Pro Thr Asp Ser
-30 -25 -20
Leu Cys His Leu Tyr Xaa Ser Leu Phe Ser Ser Phe Leu Cys Ser Thr
-15 -10 -5 1
Pro Ala Arg

<210> 1241
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -36..-1

<400> 1241
Met Ala Leu His Ile Leu Glu Cys Glu Arg Asn Val Cys Phe Val Ala
-35 -30 -25
Val Arg Gln Pro Ala His Glu Ser Cys Phe Val Pro Ser Leu Val Thr
-20 -15 -10 -5
Gly Ala Leu Gln Gln Ser Gln Thr Gln His Pro Pro Trp Val Cys Pro
1 5 10
Gln Val Gln Gly Ser Tyr Pro Ser Trp Lys Asn Arg Gly
15 20 25

<210> 1242
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -32..-1

<400> 1242
Met Ser Cys Thr His Ser Ser Ser Asn Leu Gly Lys Phe Ser Val His
-30 -25 -20
Arg Glu Tyr Arg Val Leu Xaa Leu Cys Asn Ser Arg Val Ser Phe Thr
-15 -10 -5
Arg Xaa His Val Lys Arg Pro Pro Xaa Arg Leu Cys Val Ser Ser Lys
1 5 10 15
Gly Cys Leu Phe His Leu Gly Ala Gly Arg
20 25

<210> 1243
<211> 40

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 1243
Met Leu Lys Lys Leu Ser Ala Phe Pro Leu Leu Leu Val Ile Ile Leu
 -15 -10 -5
Leu Phe Gln Lys Gln Xaa Gly Leu Leu Lys Asn Tyr Xaa Ser Pro Gln
 1 5 10
Arg Gln Val Leu Phe Cys Asn Arg
 15 20

<210> 1244
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1244
Met Ser Tyr Phe Arg Cys Ile Phe Leu Ala Val Leu Ser Lys Ile Ser
 -15 -10 -5
Trp Ala Val Asn Met Cys Ser Leu Ile Ser Gly Ser Ser
 1 5 10

<210> 1245
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -34..-1

<400> 1245
Met Leu Cys Ile Met Phe Gly Ile Glu Thr Asn Glu Ile Thr Lys Met
 -30 -25 -20
Thr Met Ser Phe Leu Leu Phe Leu Ser Ile Ser Leu Ile Thr Leu Tyr
 -15 -10 -5
Tyr Ser Ser Glu Ala Cys Gly
 1 5

<210> 1246
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL

<222> -39..-1

<400> 1246

Met	Cys	Gln	Ala	Arg	Ile	Ala	Leu	Asp	Arg	Cys	Asn	Leu	Arg	Thr	Ala	
				-35					-30					-25		
Phe	Ile	Leu	Phe	Xaa	Leu	Ile	Leu	Ser	His	Tyr	Val	Phe	Xaa	Leu	Leu	
			-20					-15					-10			
Ala	Pro	Phe	Leu	Thr	Arg	Ser	Ser	Pro	Ser	Trp	Asn	Ser	Tyr	Gly	Thr	
		-5					1				5					
Leu	Ala	Pro	Glu	Thr	Thr	Asn	Ser	Ser	Leu	Lys	Phe	Ser	Asn	Ser	Asn	
10					15					20					25	
Asn	Gly	Ile	Ser	Asp	Leu	Ala	Xaa	Leu	Tyr	Phe	Ser	His	Val	Xaa	Lys	
				30					35					40		
Ile	Gly	Ser	Ala	Ser	Thr	Met	Gly	Tyr	Gly							
			45					50								

<210> 1247

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1247

Met	Val	Lys	Ser	Val	Ile	Phe	Leu	Ser	Phe	Trp	Gln	Gly	Met	Leu	Leu	
				-20					-15					-10		
Ala	Ile	Leu	Glu	Xaa	Cys	Gly	Ala	Ile	Pro	Lys	Ile	His	Ser	Ala	Arg	
			-5					1				5				
Val	Ser	Val	Gly	Glu	Gly	Thr	Val	Ala	Ala	Gly	Tyr	Gln	Asp	Phe	Ile	
10						15					20					
Ile	Cys	Val	Glu	Met	Phe	Phe	Ala	Ala	Leu	Ala	Leu	Arg	His	Ala	Phe	
25					30					35					40	
Thr	Tyr	Lys	Val	Tyr	Ala	Asp	Lys	Arg	Leu	Asp	Ala	Gln	Val	Pro	Thr	
				45					50					55		
Tyr	Gly	Pro	Tyr	Gly	Arg	Cys	Ala	Pro	Met	Lys	Ser	Ile	Ser	Ser	Ser	
			60					65						70		
Leu	Lys	Glu														
		75														

<210> 1248

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -86..-1

<400> 1248

Met	Asp	Met	Arg	Trp	His	Cys	Glu	Asn	Ser	Gln	Thr	Thr	Asp	Asp	Ile	
	-85					-80					-75					
Leu	Val	Ala	Ser	Ala	Glu	Cys	Pro	Ser	Asp	Asp	Glu	Asp	Ile	Asp	Pro	

-70 -65 -60 -55
 Cys Glu Pro Ser Ser Gly Gly Leu Ala Asn Pro Thr Arg Ala Gly Gly
 -50 -45 -40
 Arg Glu Pro Tyr Pro Gly Ser Ala Glu Val Ile Arg Glu Ser Ser Ser
 -35 -30 -25
 Thr Thr Gly Met Val Val Gly Ile Val Ala Ala Ala Leu Cys Ile
 -20 -15 -10
 Leu Ile Leu Leu Xaa Ala Met Tyr
 -5 1

<210> 1249
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1249
 Met Ala Trp Thr Pro Leu Trp Pro Thr Leu Leu Thr Leu Cys Ile Gly
 -20 -15 -10 -5
 Ser Val Val Ser Ser Asp Leu Thr Gln Asp Pro Ala Val Ser Val Ala
 1 5 10
 Leu Gly Gln Arg Val Arg Ile Thr Cys Gln Gly Asp Asn Leu Glu Glu
 15 20 25
 Tyr Phe Ala Ser Trp Tyr Arg Gln Arg Pro Gly Gln Ala Pro Val Leu
 30 35 40
 Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Xaa Arg Xaa
 45 50 55 60
 Ser Gly Ser Lys Ser Gly Asn Thr Ala Leu Leu Thr Ile Xaa Gly Ala
 65 70 75
 Gln Ala Glu Asp Xaa Ala Asp Tyr Tyr Cys Ser Xaa Arg Asp His Thr
 80 85 90
 Asp Asn Arg Trp Val Phe Gly Gly Gly Thr Arg Leu Thr
 95 100 105

<210> 1250
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1250
 Met Glu Ala Glu Phe Tyr Met Xaa Ile Leu Thr Cys Leu Ile Phe Arg
 -20 -15 -10 -5
 Asn Ser Glu Gly Phe Gln Ile Xaa His Val Gln Lys Gln Gln Cys Leu
 1 5 10
 Phe Lys Asn Glu Lys Val Val Val Gly Ser Cys Asn Arg Thr Ile Gln
 15 20 25
 Asn Gln Gln Trp Met Trp Thr Glu Asp Glu Lys Leu Leu His Val Lys

30 35 40
 Ser Ala Leu Cys Leu Ala
 45 50

<210> 1251
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1251
 Met Cys Val Cys Ala Cys Ala Leu Cys Val Trp Leu Cys Val Lys Ser
 -15 -10 -5
 Cys Ser Ile
 1

<210> 1252
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1252
 Met Ile Ser Asp Val Gln His Leu Phe Ile Tyr Leu Leu Ala Phe Cys
 -20 -15 -10
 Met Pro Ser Leu Glu Lys Cys Leu Tyr Gly Ser Leu Ala His Phe Phe
 -5 1 5 10
 Phe Phe

<210> 1253
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1253
 Met Pro Leu Phe Arg Val Leu Phe Ser Xaa Thr Cys Ala Leu Xaa Gln
 -15 -10 -5 1
 Asp Phe Arg Met Gln Pro Cys Pro Thr Pro Lys
 5 10

<210> 1254
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1254
 Met Trp Tyr Val Glu Met Trp Val Ser Phe Phe Leu Leu Phe Tyr Val
 -20 -15 -10
 Leu Leu Phe Arg Asn Leu Tyr Thr His Thr His His Thr Gly
 -5 1 5

<210> 1255
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 1255
 Met Ala Ala Arg Val Gly Ala Phe Leu Lys Asn Ala Trp Asp Lys Glu
 -30 -25 -20 -15
 Pro Val Leu Val Val Ser Phe Val Val Gly Gly Leu Gly Cys Asn Xaa
 -10 -5 1
 Ala Pro Ile Glu Pro Leu Leu Gln Val Leu Arg His Asp Gln Gln Gly
 5 10 15
 His Ala Leu Gln Leu Xaa
 20

<210> 1256
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1256
 Met Gln Ala Arg Arg Trp Glu Ser Trp Met Trp Thr Cys Val Ala Pro
 -20 -15 -10
 Val Tyr Pro Ala Cys Ser Gly Arg Arg Ala Xaa Ala Val Xaa Gln Xaa
 -5 1 5
 Xaa Pro Arg Leu Gly Xaa Xaa Leu Pro Gly Pro Gly Xaa Glu His Leu
 10 15 20 25
 Ala His Val Cys Gly Leu Pro Ala Gly Glu Ala Gly Arg Gly Arg Gly
 30 35 40
 Val Glu Arg Pro Gln Glu Lys Arg Ala Asp Lys Ala Val Xaa Val Arg
 45 50 55
 Arg Gly Leu Gly Gly Ala Gly Leu Pro Gly Gly Asp Thr Pro Arg Gly
 60 65 70
 Pro Pro Met Ser Thr Trp Pro
 75 80

<210> 1257
 <211> 16
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1257
 Met Phe Leu Phe Phe Phe Gly Asn Ser Pro Cys Cys Gly Ala Thr Gly
 -10 -5 1

<210> 1258
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1258
 Met Gly Leu Ser His His Arg Val Ser Ala Pro Ser Ser Leu Ser Leu
 -25 -20 -15 -10
 Ser Leu Ser Ala Ser Leu Ile Ile Ser Pro Ser Pro Ser Ala Ser Pro
 -5 1 5
 Ser Leu Leu Xaa Pro Pro Xaa Arg
 10 15

<210> 1259
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1259
 Met Phe Val Phe Leu Val Gly Thr Pro Cys Leu Ser Met Leu Leu Arg
 -20 -15 -10
 Leu Val Ser Asn Ser Arg Pro Pro Val Met Arg Pro Pro Arg Pro Gly
 -5 1 5

<210> 1260
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 1260
Met Lys Phe Thr His Phe Lys Cys Thr Ile Arg Leu Leu Leu Leu Tyr
 -30 -25 -20
Leu Gln Asn Pro Val Thr Ile Thr Ile Leu Phe Leu Ile Val Ser Met
 -15 -10 -5
Ala Leu Lys Ile Asn His Ile Pro Lys Gly
 1 5

<210> 1261
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1261
Met Ser Cys Met Ser Leu Phe Pro Cys Cys Pro Ala Gln Ser Lys Asn
 -10 -5 1
Tyr Met Leu Leu Leu Phe Ile Ile Leu Leu Pro Thr Gln Phe Leu Tyr
 5 10 15
Ser Lys Leu Val Thr Ile Cys Cys Cys Phe
 20 25

<210> 1262
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1262
Met Leu Val Cys Cys Thr Ile Asn Ser Ser Phe Ala Leu Gly Ile Ser
 -10 -5 1
Arg Asn Ala Ile Pro Leu Pro Ala Pro Gly
 5 10

<210> 1263
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -53..-1

<400> 1263
Met Gly Arg Gly Pro Gly Pro Leu Gln Glu Arg Ser Leu Phe Glu Xaa
 -50 -45 -40
Lys Arg Gly Ala Pro Pro Ser Ser Asn Ile Glu Asp Phe His Gly Leu

-35 -30 -25
 Leu Pro Lys Val Ile Pro Ile Cys Ala Leu Tyr Val Ile Cys Gln Phe
 -20 -15 -10
 Ile Leu Ile Arg Ser Gly Val Asn Ile Ser Met Glu Gln Val Thr Val
 -5 1 5 10
 Val Asp Ala Ser Leu
 15

<210> 1264
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1264
 Met Leu Tyr Cys Val Val Val Val His Ser Val Cys Cys Ala Val Tyr
 -10 -5 1
 Tyr Phe Val Ile Ile His Thr Ile Glu His Ile Thr Tyr Leu Cys Ile
 5 10 15
 His Ser Thr Ile Leu Leu Cys Val
 20 25

<210> 1265
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1265
 Met Cys Trp Leu Arg Xaa Trp Gly Gln Ile Leu Leu Pro Val Phe Xaa
 -25 -20 -15
 Ser Leu Phe Leu Ile Gln Leu Leu Ile Ser Phe Ser Glu Asn Gly Phe
 -10 -5 1 5
 Ile His Ser Pro Met
 10

<210> 1266
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1266
 Met Cys Gly Leu Xaa Ile Leu Cys Gly Pro Trp Leu His Ala Ala Pro
 -10 -5 1

Pro Ser Pro Pro Arg
5

<210> 1267
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -33..-1

<400> 1267
Met Phe His Gly Arg Val Met Ala Met Gly Xaa Leu Thr Lys His Leu
 -30 -25 -20
Asn Leu Asn Ile Ser Ile Ser Leu Leu Met Leu Xaa Xaa Tyr Trp
 -15 -10 -5
Ser Cys Trp Ile Lys Ser Pro Pro Xaa Met
 1 5

<210> 1268
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -128..-1

<400> 1268
Met Leu Gly Arg Ser Ser Leu Leu Xaa Trp Lys Xaa Ser Pro Gly Ser
 -125 -120 -115
Lys Lys Leu Val Val Ala Thr Glu Lys Asn Val Ile Ala Ala Leu Asn
 -110 -105 -100
Ser Arg Thr Gly Glu Ile Leu Trp Arg His Val Asp Lys Gly Thr Ala
 -95 -90 -85
Glu Gly Ala Val Asp Ala Met Leu Leu His Gly Gln Asp Val Ile Thr
-80 -75 -70 -65
Val Ser Asn Gly Gly Arg Ile Met Arg Ser Trp Glu Thr Asn Ile Gly
 -60 -55 -50
Gly Leu Asn Trp Glu Ile Thr Leu Asp Ser Gly Ser Phe Gln Ala Leu
 -45 -40 -35
Gly Leu Val Gly Leu Gln Glu Ser Val Arg Tyr Ile Ala Val Leu Lys
 -30 -25 -20
Lys Thr Thr Leu Ala Leu His His Leu Ser Ser Gly His Ser Ser Gly
 -15 -10 -5
Trp Thr Ser Pro
1

<210> 1269
<211> 72
<212> PRT
<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -57..-1

<400> 1269
 Met Ser Thr Thr Tyr Leu Asn Glu Asp Leu Lys Lys Lys Phe Ser Ala
 -55 -50 -45
 Val Ile Glu Gln Val Leu Phe Ala His Leu Ser Pro Leu His Val Trp
 -40 -35 -30
 Leu Gln Leu Arg Ser Leu Cys Glu Xaa Leu Thr Cys Ile Trp Val Arg
 -25 -20 -15 -10
 Phe Asn Phe Leu Ala Ser Ser Gln Ala Cys Ser Lys Cys Asn Ser Ser
 -5 1 5
 Phe Leu Ile Met Ser Ser Ser Ser
 10 15

<210> 1270
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -39..-1

<400> 1270
 Met Ala Leu Ile Val Leu Gln Leu Thr Phe Gly Ile Gly Tyr Val Thr
 -35 -30 -25
 Leu Leu Gln Ile His Ser Ile Tyr Ser Gln Leu Ile Ile Leu Asp Leu
 -20 -15 -10
 Leu Val Pro Val Ile Gly Leu Ile Thr Glu Leu Pro Leu His Ile Arg
 -5 1 5
 Glu Thr Leu Leu Phe Thr Ser Ser Leu Ile Leu Thr Leu Asn Thr Val
 10 15 20 25
 Phe Val Leu Ala Val Lys Leu Lys Trp Phe Tyr Tyr Ser Thr Arg Tyr
 30 35 40

<210> 1271
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1271
 Met Arg Val Ala Gly Ala Ala Lys Leu Val Val Xaa Val Ala Xaa Phe
 -20 -15 -10
 Leu Leu Thr Phe Tyr Val Ile Ser Gln Val Phe Glu Ile Lys Met Asp
 -5 1 5
 Ala Ser Leu Gly Asn Leu Phe Ala Arg Ser Ala Leu Asp Thr Ala Ala
 10 15 20
 Arg Ser Thr Lys Pro Pro

25

30

<210> 1272
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1272
 Met His Thr Leu Val Phe Leu Ser Thr Arg Gln Val Leu Gln Cys Gln
 -15 -10 -5 1
 Pro Ala Ala Cys Gln Ala Leu Pro Leu Leu Pro Arg Glu Leu Phe Pro
 5 10 15
 Leu Leu Phe Lys Val Ala Phe Met Xaa Lys Lys Thr Val Val Leu Arg
 20 25 30
 Xaa Leu Val His Thr Arg
 35

<210> 1273
 <211> 16
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1273
 Met Thr Val Val Ile Ser Cys Leu Val Gly Glu Cys Gly Ser Trp Lys
 -10 -5 1

<210> 1274
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -47..-1

<400> 1274
 Met Cys Thr Leu Thr Asp Thr His Thr His Val Gln Val His Lys Ser
 -45 -40 -35
 Lys Pro Cys Gln Leu Leu Ser Pro Pro Pro Pro Xaa His Gly Pro Leu
 -30 -25 -20
 Leu Leu Pro Ile Phe Gly Leu Leu Val Pro Ser Gln Ile Phe Ser Ser
 -15 -10 -5 1
 Leu Leu Asn Ser Leu His Leu Gly Leu Pro Ser Phe Pro Lys Met Pro
 5 10 15
 Leu Met Ile Phe Leu Pro Arg Trp
 20 25

<210> 1275
 <211> 78
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -63..-1

<400> 1275
 Met Thr Leu Ile Leu Gly Glu Ser Ser Ser Gln Pro Gln Ile Ser Ile
 -60 -55 -50
 Phe Leu Trp Thr Lys Val Lys Asp Leu Phe Ser Leu Met Ile Thr Trp
 -45 -40 -35
 Thr Val Gln Met Lys Leu Thr Ser Met Trp Met Asn Leu Ile Pro Pro
 -30 -25 -20
 Met Lys Gln Ile Leu Xaa Ser Thr Leu Ala Met Lys Ile His Ser Gln
 -15 -10 -5 1
 Gln Arg Phe Trp Pro Arg Val Arg Val Tyr Ser Arg Ile Tyr
 5 10 15

<210> 1276
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1276
 Met Tyr Lys Glu Lys Leu Val Leu Phe Leu Leu Asn Leu Phe Gln Lys
 -15 -10 -5
 Ile Glu Glu Glu Glu Leu Phe Pro Asn
 1 5

<210> 1277
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -48..-1

<400> 1277
 Met Asp Ser Val Pro Ala Thr Val Pro Ser Ile Ala Ala Thr Pro Gly
 -45 -40 -35
 Asp Pro Glu Leu Val Gly Pro Leu Ser Val Leu Tyr Ala Ala Phe Ile
 -30 -25 -20
 Ala Lys Leu Leu Glu Leu Val Ala Thr Leu Pro Asp Asp Val Gln Pro
 -15 -10 -5
 Gly Pro Asp Phe Tyr Gly Xaa Xaa Trp Lys Leu Tyr Leu Ser Leu Pro

1 5 10 15
 Ser Trp Glu Xaa Phe Val Cys His Phe Leu Met Glu Thr Val Leu Val
 20 25 30
 Val Lys Xaa Arg Val Tyr Xaa Val
 35 40

<210> 1278
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1278
 Met Ala Ala Tyr Phe Ala Val Trp Ala Ser Val Ala Ser Pro Ala Ser
 -15 -10 -5
 Ile Cys Cys Gly Xaa Trp Leu Thr Gly Leu Val Arg His Glu Arg Ile
 1 5 10
 Glu Ala Pro Trp Ala Arg Gly
 15 20

<210> 1279
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1279
 Met Lys Thr Gln Phe Leu Ser Trp Gly Lys Phe Ser Phe Cys Phe Gly
 -25 -20 -15
 Ile Leu Leu Ile Leu Gln Leu Leu Lys Xaa Ser Leu Lys Lys Cys Arg
 -10 -5 1
 His Gly
 5

<210> 1280
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1280
 Met Leu Pro Ala Val Ala Val Ser Glu Pro Val Val Leu Arg Phe Ile
 -25 -20 -15 -10
 Leu Pro Ser Ser Trp Asp Cys Arg Cys Ala Pro Pro Leu Leu Thr Gly
 -5 1 5

Phe Cys Ile Phe Trp Xaa Glu Thr
 10 15

<210> 1281
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 1281
 Met Asp Pro Ala Ala Pro Trp Leu Phe Trp Glu Ala Ala Ala Pro Ala
 -30 -25 -20
 Leu Lys Arg Pro Trp Leu Leu Met Val Ala Pro Arg Leu Pro Ala Gly
 -15 -10 -5
 Ala Arg Asp Ser Gly Gln Phe Pro Arg Lys Gly Gln Ala Gly Ser Pro
 1 5 10 15
 Ser Arg Gly Arg Val Arg Lys Leu Gly Gly Ala Val
 20 25

<210> 1282
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1282
 Met Lys Met Ser Thr Pro Ser Pro Leu Ser Lys Lys Val Leu Arg Asn
 -30 -25 -20
 Gln Val Ser Arg Leu Xaa Ala Leu Leu Ser Pro Tyr Ala Phe Thr Leu
 -15 -10 -5 1
 Xaa Arg Leu Ala Ser Gly
 5

<210> 1283
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1283
 Met Arg Arg Phe Leu Leu Leu Tyr Ala Thr Gln Gln Gly Gln Ala Lys
 -15 -10 -5 1
 Ala Ile Ala Glu Glu Met Cys Xaa Gln Ala Val Val His Gly Phe Ser
 5 10 15
 Ala Asp Leu His Cys Ile Ser Glu Ser Asp Lys Val Ser Val Ile Gln

20 25 30
 Asn Thr Pro Thr Phe Ala Thr Gly Gly Arg
 35 40

<210> 1284
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1284
 Met Leu Ile Asp Ile Trp Ser Met Val Leu Arg Glu Asn Leu Phe Val
 -25 -20 -15
 Asn Leu Asn Leu Cys Phe Ala Tyr Thr Phe Ala Leu Tyr Ser Cys Pro
 -10 -5 1 5
 Ala Pro Thr Arg Cys Pro Arg Pro Ser
 10

<210> 1285
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1285
 Met Leu Ser Cys Pro Trp Phe Pro Leu Ser Cys Ser Pro Ser Leu Pro
 -15 -10 -5
 Leu Ser Ile Pro Asp Cys Leu Pro Ala Phe Leu Trp Pro Leu Gly Ile
 1 5 10
 Pro Trp Pro Asp Gly Glu Gly Leu Arg Pro Ser Arg Leu Leu Arg Thr
 15 20 25 30
 Arg Glu Asn Ile Thr Pro Leu Ser Leu Phe Ala Met Leu Ser Gly Arg
 35 40 45
 Glu Gly Ala Pro Leu Leu Val Pro Leu
 50 55

<210> 1286
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1286
 Met Val Val Val Ser Phe Leu Ala Ser Ser Ser Leu Pro Ala Glu Thr
 -10 -5 1

Pro Lys Gln Gly
5

<210> 1287
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -107..-1

<400> 1287

Met Gly Xaa Leu Ala Leu Xaa Ala Trp Leu Gln Pro Arg Tyr Arg Lys
-105 -100 -95
Asn Ala Tyr Leu Phe Ile Tyr Tyr Leu Ile Gln Phe Cys Gly Xaa Ser
-90 -85 -80
Trp Ile Phe Ala Asn Met Thr Val Arg Phe Phe Ser Phe Gly Lys Asp
-75 -70 -65 -60
Ser Met Val Asp Thr Phe Tyr Ala Ile Gly Leu Val Met Arg Leu Cys
-55 -50 -45
Gln Ser Val Ser Leu Leu Glu Leu Leu His Ile Tyr Val Gly Ile Glu
-40 -35 -30
Ser Asn His Leu Leu Pro Arg Phe Leu Gln Leu Thr Glu Arg Ile Ile
-25 -20 -15
Ile Leu Phe Val Val Ile Thr Ser Arg Arg Gly Ser Pro Thr Arg Asn
-10 -5 1 5
Met Trp Cys Val Cys Tyr Ser Ser Leu Asp Leu Trp Ile Trp Leu Xaa
10 15 20
Thr Leu Ile Ala Xaa Xaa Ser Val Ile Gly Ile Ser Tyr Ala Val Leu
25 30 35
Thr

<210> 1288
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1288

Met Asp Thr Phe Pro Ser Leu Thr Leu Thr Ala Leu Leu Val Pro Ser
-15 -10 -5
Arg Val Gln Pro Gln
1

<210> 1289
<211> 84
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL
<222> -20..-1

<400> 1289

Met	Gly	Leu	Thr	Lys	Gln	Tyr	Leu	Arg	Tyr	Val	Ala	Ser	Ala	Val	Phe
-20					-15					-10					-5
Gly	Val	Ile	Gly	Ser	Gln	Lys	Gly	Asn	Ile	Val	Phe	Val	Thr	Leu	Arg
				1				5					10		
Gly	Glu	Lys	Gly	Arg	Tyr	Val	Ala	Val	Pro	Ala	Cys	Glu	His	Val	Phe
		15					20					25			
Ile	Xaa	Asp	Leu	Arg	Lys	Gly	Glu	Lys	Ile	Leu	Ile	Leu	Gln	Gly	Leu
	30					35					40				
Lys	Gln	Glu	Val	Thr	Cys	Leu	Cys	Pro	Ser	Pro	Asp	Gly	Leu	His	Leu
45					50					55					60
Ala	Val	Gly	Tyr												

<210> 1290
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -24..-1

<400> 1290

Met	Met	Gly	Ile	Phe	Leu	Val	Tyr	Val	Gly	Phe	Val	Phe	Phe	Ser	Val
				-20					-15					-10	
Leu	Tyr	Val	Gln	Gln	Gly	Leu	Ser	Ser	Gln	Ala					
			-5					1							

<210> 1291
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -22..-1

<400> 1291

Met	Ser	Leu	Gly	Leu	His	Ser	Asn	Ser	Trp	Val	Leu	Asp	Pro	Ala	Leu
		-20					-15					-10			
Leu	Leu	Thr	Cys	Leu	Thr	Phe	Pro	Ile	Tyr	Lys	Leu	Leu	Trp	Val	Arg
		-5				1				5					10
Gly	Gly	Thr	Arg	Xaa	Thr	Leu	Xaa	Ala	Leu	His	Ser	Ala	Arg	Thr	
				15					20					25	

<210> 1292
<211> 68
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL
<222> -60...-1

<400> 1292

Met	Ala	Ala	Asn	Ser	Ser	Gly	Gln	Gly	Phe	Gln	Asn	Lys	Asn	Arg	Val
-60					-55					-50					-45
Ala	Ile	Leu	Ala	Glu	Leu	Thr	Lys	Arg	Lys	Glu	Asn	Tyr	Leu	Cys	Arg
			-40						-35					-30	
Thr	Ser	Leu	Gln	Gln	Ile	Ile	Leu	Glu	Leu	Gly	Ile	Asp	Thr	Ile	Met
			-25					-20					-15		
Trp	Val	Xaa	Cys	Xaa	Phe	Cys	Phe	Val	Leu	Phe	Cys	Phe	Glu	Thr	Glu
		-10					-5						1		
Ser	Arg	Pro	Val												
5															

<210> 1293
<211> 138
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -35...-1

<400> 1293

Met	Ser	Ala	Gly	Ser	Ala	Thr	His	Pro	Gly	Ala	Gly	Gly	Arg	Arg	Ser
-35					-30					-25					-20
Lys	Trp	Asp	Gln	Pro	Ala	Pro	Ala	Pro	Leu	Leu	Phe	Leu	Pro	Pro	Ala
			-15						-10					-5	
Ala	Pro	Gly	Gly	Glu	Val	Thr	Ser	Ser	Gly	Gly	Ser	Pro	Gly	Xaa	Thr
			1				5					10			
Thr	Ala	Ala	Pro	Ser	Gly	Ala	Leu	Asp	Ala	Ala	Ala	Ala	Val	Ala	Ala
	15					20					25				
Lys	Ile	Asn	Ala	Met	Leu	Met	Ala	Lys	Gly	Lys	Leu	Lys	Pro	Thr	Gln
30					35					40					45
Xaa	Ala	Ser	Glu	Lys	Leu	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Thr	Ser	Asn
				50					55					60	
Lys	Ser	Lys	Asp	Asp	Leu	Val	Val	Ala	Glu	Val	Glu	Ile	Asn	Asp	Val
			65					70					75		
Pro	Leu	Thr	Cys	Arg	Asn	Leu	Leu	Thr	Arg	Gly	Gln	Xaa	Gln	Asp	Glu
		80					85						90		
Ile	Ser	Arg	Leu	Ser	Gly	Ala	Ala	Val	Ser						
		95					100								

<210> 1294
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21...-1

<400> 1294

Met Ser Pro Leu Asp Gln Ala Val Ile Arg Ala Val Cys Leu Ser Gly
 -20 -15 -10
 Gly Ser Cys Trp Gly Gly Val Arg Cys Leu Val Arg Gly Gly Pro Asn
 -5 1 5 10
 Ile Gly Pro Ala Ala Gln Leu Leu Gly Gly Ile Pro Leu Cys Trp Pro
 15 20 25
 Pro Ala Val Thr Ala Gly Glu Val Lys Leu
 30 35

<210> 1295
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1295
 Met Asn Ser Phe His Phe Ile Xaa Phe Leu Pro Phe Pro Trp Ala Glu
 -15 -10 -5 1
 Xaa Ala Gln

<210> 1296
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1296
 Met Gly Trp His Ser His Ser Ser Gln Gly Val Xaa Ala Met Pro Leu
 -25 -20 -15
 Leu Leu Ser Thr His Thr Trp Thr Asp Thr Ala Leu Ala Phe Ser Thr
 -10 -5 1
 His Thr His
 5

<210> 1297
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1297
 Met Xaa Ala Val Arg Asn Ala Gly Ser Trp Phe Leu Arg Ser Trp Thr
 -20 -15 -10
 Trp Pro Gln Thr Ala Gly Arg Val Val Ala Arg Xaa Pro Ala Gly Thr
 -5 1 5 10

Ile Cys Thr

<210> 1298

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1298

Met Cys Ala Leu Phe Ile Leu Val Ser Ile Ser Leu Phe Tyr Ala Leu
-15 -10 -5 1
Phe Ile Ser Pro Ser Ile Gln
5

<210> 1299

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -53..-1

<400> 1299

Met Tyr Leu Val Cys Thr Thr Cys Thr Trp Cys Val Phe Ser Glu Met
-50 -45 -40
Phe Val His Gly Leu Asn Ile Thr Gln Leu Val Leu Ser Gln Leu Asp
-35 -30 -25
Tyr Phe Phe His Ser Asn Leu Thr Asn Leu Val Leu Tyr Phe Leu Val
-20 -15 -10
His Leu Leu Phe Ser Leu Ser Leu Phe Met Pro Leu Thr
-5 1 5

<210> 1300

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -78..-1

<400> 1300

Met Lys Leu Lys Leu Tyr Leu Cys Ile Leu Gly Pro Trp Gly Cys Xaa
-75 -70 -65
Xaa Lys Val Pro Leu Ile Gly Phe Leu Lys Arg Ile Xaa Xaa Tyr Xaa
-60 -55 -50
Leu Thr Val Leu Lys Pro Xaa Ser Leu Xaa Ser Xaa Ser Ala Gly Leu
-45 -40 -35
Val Pro Ser Glu Asp Ser Lys Lys Glu Ser Val Ser Cys Leu Ser Pro
-30 -25 -20 -15

Arg Phe Trp Trp Trp Leu Gly Ser Leu Xaa Val Thr Trp Leu Ile His
 -10 -5 1
 Ala Ser Leu Gln Ser Leu Ser Pro Phe Ser His Ala Ile Phe Ser Cys
 5 10 15
 Val Ser Val Phe Ser Phe Ala Tyr Lys Asp Thr Ser His Ile Glu Leu
 20 25 30
 Gly Pro Ala Leu Ile Thr Ser Ser Gln Leu Pro Leu Gln Gly Thr Asn
 35 40 45 50
 Phe Gln Ile Met Ser His Ser His Val Ala
 55 60

<210> 1301
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -33..-1

<400> 1301
 Met Asn Glu Lys Lys Lys Leu Leu Gly Thr Glu Gln Lys Gln Lys Lys
 -30 -25 -20
 Arg Met Gly Asn Leu Lys Leu Leu Phe Leu Ile Leu Ile Leu Ile Ala
 -15 -10 -5
 Gly Tyr Arg
 1

<210> 1302
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1302
 Met Gly Leu Gln Ser Leu Thr Leu Pro Val Ser Cys Ser Pro Ser Ala
 -25 -20 -15
 Leu Met Leu Pro Leu Gly Cys Ala Val Arg Thr Arg Met Leu
 -10 -5 1

<210> 1303
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1303
 Met Asp Ser Asn Lys Lys Leu Val Leu Ser Ile Thr Gly Asn Thr Val

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.

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<220>
<221> SIGNAL
<222> -47..-1
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<210> 1305
<211> 113
<212> PRT
<213> Homo sapiens
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<220>
<221> SIGNAL
<222> -65..-1
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<210> 1306
<211> 20
<212> PRT
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<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1306

Met Phe Val Ser Tyr Leu Ile Leu Thr Leu Leu His Val Gln Thr Ala
-15 -10 -5 1
Val Leu Ala Arg
5

<210> 1307

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -25..-1

<400> 1307

Met Pro Glu Ala Ala Leu Phe Leu Phe Phe Leu Phe Ile Phe Leu Leu
-25 -20 -15 -10
Tyr Phe Lys Phe Trp Gly Thr Cys Ala Glu Arg Ala Gly Leu Leu His
-5 1 5
Arg Tyr Thr Arg Ala Met Glu Val Cys Cys Thr His Gln Pro Ser Ser
10 15 20
Thr Leu Gly Ile Ser Pro Asn Ala Leu Leu Pro Leu
25 30 35

<210> 1308

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1308

Met Arg Met Gly Thr Arg Ala Ser Pro Pro Leu Cys Met His Leu Ser
-20 -15 -10
Ile His Pro Xaa Xaa Cys Ala Cys Ile Cys Pro Ser Ile Gln
-5 1 5

<210> 1309

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -36..-1

<400> 1309

Met Tyr Pro Arg Val Trp Gly Cys Phe Gln Leu Leu His Xaa Leu Xaa
-35 -30 -25
Xaa Thr Arg Thr Thr Gly Lys Xaa Val Cys Val Cys Val Cys Val Cys
-20 -15 -10 -5
Val Cys Val Cys Val Cys
1

<210> 1310

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1310

Met Ala Ala Val Val Leu Ala Ala Thr Arg Leu Leu Arg Gly Ser Gly
-10 -5 1
Ser Trp Gly Cys Ser Arg Leu Arg Phe Gly Pro Pro Ala Tyr Arg Arg
5 10 15
Phe Ser Ser Gly Gly Ala Tyr Pro Asn Ile Pro Leu Ser Ser Pro Leu
20 25 30
Pro Gly Val Pro Lys Pro Val Phe Ala Thr Val Asp Gly Gln Glu Lys
35 40 45 50
Phe Glu Thr Lys Val Thr Thr Leu Asp Asn Gly Leu Arg Val Ala Ser
55 60 65
Gln Asn Lys Phe Gly Gln Phe Cys Thr Val Gly Ile Leu Ile Asn Ser
70 75 80
Gly Ser Arg Tyr
85

<210> 1311

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -25..-1

<400> 1311

Met Tyr Cys Leu Xaa Cys Val Glu Lys Ile Ala Lys Ala Leu Tyr Leu
-25 -20 -15 -10
Ser Leu Asn Leu Tyr Phe Ala Asn Ser Leu Tyr Tyr Met Cys Val Cys
-5 1 5
Ser Tyr Ile Tyr Phe Tyr Leu Xaa Ile Tyr Xaa Tyr Xaa Leu Ile Lys
10 15 20
Xaa Xaa Ser Tyr Tyr Val Ala Gln Thr Gly Leu
25 30

<210> 1312

<211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1312
 Met Cys Gln Leu Arg Arg Gly Leu Gly Lys Arg Pro Leu Ser Glu Ala
 -25 -20 -15
 Ser Ala Val Phe Leu Thr Ala Val Phe Ser Ser His Ser Trp Leu Val
 -10 -5 1
 Gly Pro Arg Tyr
 5

<210> 1313
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1313
 Met Ser Val Arg Ser Thr Trp Cys Arg Ala Gln Phe Asn Ser Trp Val
 -30 -25 -20
 Ser Leu Leu Thr Phe Cys Leu Ile Asp Leu Ser Asn Val Asp Ser Gly
 -15 -10 -5 1
 Xaa

<210> 1314
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -53..-1

<400> 1314
 Met Val Ser Gly Val Pro Ser Gly Leu Gly Lys Ser Ala Arg Pro Arg
 -50 -45 -40
 Gly Arg Arg Ala Arg Lys Leu Leu Pro Ala Pro Arg Ala Ala Pro Arg
 -35 -30 -25
 Thr Ala Pro Asp Tyr Pro Gly Pro Leu Arg Leu Thr Trp Leu Val Ala
 -20 -15 -10
 Ala Gly Leu Glu Gly Arg Val His Leu Ala Asp Thr Ser Ser Gly Arg
 -5 1 5 10
 Lys Thr Trp Pro Gly Cys Gly His Gln Trp Lys Trp Lys Ala Leu Leu
 15 20 25
 Ile Leu Val Arg Ala Phe Pro Ala
 30 35

<210> 1315
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1315
 Met Gly Gly Cys Val Xaa Trp Arg Phe Leu Gly His Ser Ser Ala Leu
 -30 -25 -20
 Arg Thr Val Cys Ser Ser Leu Arg Ser Xaa Arg Pro Cys Trp Cys Asp
 -15 -10 -5 1
 Gly Leu Arg Leu Arg
 5

<210> 1316
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -51..-1

<400> 1316
 Met Asn Ser Lys Gly Gln Tyr Pro Thr Gln Pro Thr Tyr Pro Val Gln
 -50 -45 -40
 Pro Pro Gly Asn Ser Ser Ile Pro Ser Asp Leu Ala Ser Ser Ser Gly
 -35 -30 -25 -20
 Ser Thr Leu Tyr Arg Cys Ser Thr Cys Leu Leu Arg Ala Leu Ser Ser
 -15 -10 -5
 Glu Leu Cys Ala Pro Arg Gly Cys His Ser Pro His His Val Ser Arg
 1 5 10
 Ile Ser Trp Thr Leu Ser Val Ser Ser His Gly Pro Val Cys Gly Cys
 15 20 25
 Trp Ala Phe Arg Phe His Asn Pro His Gly Leu Leu Ser Ser Arg Ser
 30 35 40 45
 His Leu Ser Xaa Trp Leu His Ser Ala Gly
 50 55

<210> 1317
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1317
 Met Val Val Val Ser Ala Phe Ile Tyr Leu Phe Phe Glu Thr Gly Ser

-20 -15 -10
 Pro Ser Val Ala Gln Ser Gly Val Gln Trp Cys Asp Leu Gly Leu Leu
 -5 1 5 10
 Gln Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu
 15 20 25
 Gly Xaa Xaa Asp Cys Arg Arg Ala Pro Pro Gly
 30 35

<210> 1318
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1318
 Met Phe Val Ser Xaa Thr Xaa Phe Phe Phe Xaa Leu Xaa Phe Leu Gly
 -20 -15 -10
 Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe
 -5 1 5
 Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala
 10 15 20
 Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn
 25 30 35 40
 Thr Thr Ile Thr Xaa Gln Pro Leu Leu Ser Asp Asn Gln Tyr Asn Ile
 45 50 55
 Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr Ala Cys Tyr Gly
 60 65 70
 Cys Ser Leu Gly Leu Ala Leu
 75

<210> 1319
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1319
 Met Ser Ser Glu Ile Phe Xaa Xaa Xaa Xaa Ile Ala Tyr Ala Xaa Tyr
 -25 -20 -15
 Leu Leu Val Gly Leu Phe Pro Leu Lys Cys His Xaa Ser Xaa Phe Ser
 -10 -5 1 5
 Lys Xaa Gln Ile Ser Ser Phe Val Glu
 10 15

<210> 1320
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1320
 Met Ala Ala Ser Ser Leu Thr Val Thr Leu Gly Arg Leu Ala Ser Ala
 -15 -10 -5
 Cys Ser His Ser Ile Leu Arg Pro Ser Gly Pro Gly Ala Ala Ser Leu
 1 5 10
 Trp Ser Ala Ser Arg Arg Phe Asn Ser Gln Ser Thr Ser Tyr Leu Pro
 15 20 25 30
 Gly Tyr Val Xaa Lys Thr Ser Leu Ser Ser Pro Pro Trp Pro Arg
 35 40 45

<210> 1321
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1321
 Met Leu Ile Ala Ala Cys Ile Cys Ser Cys Leu Phe Phe Ser Gln Tyr
 -15 -10 -5
 Leu Xaa Xaa Ser Asn Pro Ala Ala
 1 5

<210> 1322
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1322
 Met Lys Cys Trp Val Leu Ser Tyr Met Trp Gln Ser Ala Ser Leu Gly
 -15 -10 -5
 Phe Ser Asn Arg Ile Lys Ser Xaa Leu Arg Pro Pro Ala Gly
 1 5 10

<210> 1323
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -69..-1

<400> 1323

Met Ser Val Gly Leu Cys Phe Leu Ile Trp Gln Met Gly Ile Met Leu
-65 -60 -55
Leu Pro Arg Glu Cys Trp Lys Val Lys Asp Ser Lys Lys Tyr Lys Ser
-50 -45 -40
Cys Arg Glu Ser Val Leu Pro Ala Gln Ala Cys Thr Gly Glu Ser Pro
-35 -30 -25
Val Leu Ser Gly Val Arg Val Leu Gly Ile Arg Leu Ser Cys Val Leu
-20 -15 -10
Ser His Leu Gln Ala Trp Asp Ser Trp Asp Asn Gln Lys Val Cys Tyr
-5 1 5 10
Leu Gly Ala Pro Cys Phe Gly Lys Arg Leu Ser Pro Thr Thr Trp Leu
15 20 25
Thr Phe Trp Val Gly
30

<210> 1324

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1324

Met Phe Ala Phe Leu Ala Gly Cys Ser Gly Ser Cys Leu Trp Ser Arg
-10 -5 1
His Phe Gly Arg Leu Arg Arg Ala Ala Pro Leu Ser Pro Glu Phe Glu
5 10 15
Thr Gly Leu Gly Asn Met Val Glu Pro Gln Trp
20 25

<210> 1325

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 1325

Met Pro Thr Tyr Phe Leu Phe Val Pro His Leu Ile Ser Cys Asn Trp
-15 -10 -5
Cys Glu Pro Arg Gly Asn Asn Pro Gln Ile Pro Leu Leu Ala Ile His
1 5 10 15
Thr Arg Lys Lys Asn Gln His Phe Ile Thr
20 25

<210> 1326

<211> 59

<212> PRT

<213> Homo sapiens

<220>
<221> SIGNAL
<222> -27..-1

<400> 1326
Met Leu Trp Thr Ser Phe Gln Asn Pro Leu Gln Val Val Leu Leu Thr
-25 -20 -15
Ser Val Ser Leu Xaa Xaa Xaa Xaa Xaa Xaa Gly Ser Val Arg Ile Xaa
-10 -5 1 5
Leu Ser His Trp Ser Ser Ser Ala Phe Phe Phe Leu Ile Xaa Xaa Xaa
10 15 20
Xaa Leu Ser His Val Thr Lys Gln Met His Leu
25 30

<210> 1327
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1327
Met Leu Thr Cys Leu Cys Gly Cys Phe Ile Val Leu Leu Val Cys Val
-10 -5 1
Leu Lys Cys Val Phe Val Val Ala Ser Asn Gly Leu Phe Phe Pro
5 10 15

<210> 1328
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29..-1

<400> 1328
Met Val Val Ser Phe Ala Val Gln Lys Leu Phe Ser Leu Ile Arg Ser
-25 -20 -15
His Leu Ser Ile Leu Ala Phe Val Ala Ile Ala Phe Gly Val Leu Asp
-10 -5 1
Met Lys Ser Leu Pro Thr Pro Gly
5 10

<210> 1329
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL

<222> -65..-1

<400> 1329

Met	Gly	Gly	Arg	Lys	Met	Ala	Thr	Asp	Glu	Glu	Asn	Val	Tyr	Gly	Leu
-65					-60					-55					-50
Glu	Glu	Asn	Ala	Gln	Ser	Arg	Gln	Glu	Ser	Thr	Arg	Arg	Leu	Ile	Leu
				-45					-40					-35	
Val	Gly	Arg	Thr	Gly	Ala	Gly	Lys	Ser	Ala	Thr	Gly	Asn	Ser	Ile	Leu
			-30					-25					-20		
Gly	Gln	Arg	Arg	Phe	Phe	Ser	Arg	Leu	Gly	Ala	Thr	Ser	Val	Xaa	Arg
		-15					-10					-5			
Ala	Cys	Thr	Thr	Xaa	Ser	Arg	Arg	Trp	Asp	Lys	Cys	His	Val	Glu	Val
	1				5					10				15	
Val	Xaa	Leu	Gly	His	Xaa	Xaa	Xaa	Gly	Lys	Cys	Pro	Arg	Gln	Ile	Leu
				20					25					30	
Ala	Val	Arg	Arg	Glu	Val	Thr	Ala								
			35												

<210> 1330

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -31..-1

<400> 1330

Met	Gln	Leu	Gln	Val	Leu	Gly	Arg	Pro	Gln	Gly	Ala	Pro	Gln	Leu	Ala
-30						-25					-20				
Pro	Gln	Ala	Leu	Ala	Leu	Thr	Xaa	Thr	Leu	Leu	Pro	Ala	Pro	Gly	Glu
-15					-10					-5				1	
His	Asp	Ser	Pro	Met	Xaa	Ile	Gly	Gln	Phe	Pro	Xaa	Asn	Pro	Pro	Ser
			5				10					15			
Glu	His	Pro	Gly	Ala	Ser	Pro	Arg	Arg	Xaa	Xaa	Thr	Gly	Trp	Xaa	Pro
		20					25					30			
Gln	Ser	Trp	Asp	Arg	Arg	Val	Ser	Pro	Ala	Glu	Ala	Glu	Thr	Arg	Arg
		35				40					45				

<210> 1331

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -41..-1

<400> 1331

Met	Gly	Val	Tyr	Thr	Cys	Pro	Ile	Phe	Val	His	Tyr	Tyr	Glu	Asn	His
-40						-35					-30				
Gly	Pro	Thr	Pro	Ser	Phe	Xaa	Ala	Phe	Ile	Ser	Phe	His	Leu	Phe	Thr
-25					-20					-15					-10
Leu	Gly	Phe	Leu	Cys	Ser	Leu	Cys	Pro	His	Pro	His	Gly			

-5

1

<210> 1332
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 1332
Met Lys Lys Ser Val Ser Cys Cys Ser Ser Leu Trp Val Ser Leu Ser
-15 -10 -5
Lys Asp Glu Asn Ala Glu Met
1 5

<210> 1333
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -30..-1

<400> 1333
Met Leu Leu Pro Leu Ala Met Ala Gly Arg Cys Tyr Thr Ala Lys His
-30 -25 -20 -15
Ser Thr Val Leu Leu Ser Gly Ser Pro Arg Ala Val Val Ser Ala Val
-10 -5 1
Val Met Val Gly Thr Gly Cys
5

<210> 1334
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 1334
Met Pro Ser Cys Cys Tyr Leu Arg Ala Phe Leu Leu Ser Val Pro Leu
-15 -10 -5
Gly Lys Gly Ser Ala Leu Lys Asp Pro Val
1 5

<210> 1335
<211> 101
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1335

Met Val Ala Asp Lys Glu Val Gln Thr Arg Thr Leu Leu Leu Ser Ser
 -20 -15 -10
Leu Trp Ile Val Cys Cys Leu His Leu Asp Ser Leu Ile Ser Xaa Lys
 -5 1 5
Tyr Pro Leu His Ala Ile Arg Arg Tyr Leu Ser Thr Leu Arg Asn Gln
 10 15 20
Arg Ala Glu Glu Gln Val Ala Arg Phe Gln Lys Ile Pro Asn Gly Glu
25 30 35 40
Asn Glu Thr Met Ile Pro Val Leu Thr Ser Lys Lys Ala Ser Glu Leu
 45 50 55
Pro Val Ser Glu Val Ala Ser Ile Leu Gln Ala Asp Leu Gln Asn Gly
 60 65 70
Leu Lys Gln Cys Glu
 75

<210> 1336

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14..-1

<400> 1336

Met His Ile Cys Leu Phe Phe Ser Phe Ser Xaa Xaa Phe Xaa Leu Phe
 -10 -5 1
Phe Phe Phe Phe
 5

<210> 1337

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1337

Met Trp Leu Pro Cys Gln Ile Leu Ala Arg Leu Cys Arg Met Gln Thr
 -15 -10 -5
Cys Trp Cys Leu Ser Phe Pro Thr Ser Ser Phe Thr Glu Ser Val Met
 1 5 10
Arg Ser Leu Gly Glu Cys Pro Arg Lys Arg Trp Gly Gly
 15 20 25

<210> 1338

<211> 110

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -84..-1

<400> 1338
Met Xaa Lys Leu Xaa Ser Asn Pro Ser Glu Lys Gly Thr Lys Pro Pro
 -80 -75 -70
Ser Val Glu Asp Gly Phe Gln Thr Val Pro Leu Ile Thr Pro Leu Glu
 -65 -60 -55
Val Asn His Leu Gln Leu Pro Ala Pro Glu Lys Val Ile Val Lys Thr
 -50 -45 -40
Arg Thr Glu Tyr Gln Pro Glu Gln Lys Asn Lys Gly Lys Phe Arg Val
 -35 -30 -25
Pro Lys Ile Ala Glu Phe Thr Val Thr Ile Leu Val Ser Leu Ala Leu
 -20 -15 -10 -5
Ala Phe Leu Ala Cys Ile Val Phe Leu Val Val Tyr Lys Ala Phe Thr
 1 5 10
Tyr Asp His Ser Cys Pro Glu Asp Ser Ser Xaa Ser Thr Gly
 15 20 25

<210> 1339
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 1339
Met Phe Xaa Ala Ala Ala Gly Val Glu Val Leu Ser Leu Leu Phe Xaa
 -20 -15 -10
Cys Ile Tyr Trp Gly Gln Tyr Ala Thr Asp Gly Ile Gly Asn Glu Ser
 -5 1 5 10
Val Lys Ile Leu Ala Lys Leu Leu Phe Ser Ser Ser Phe Leu Ile Phe
 15 20 25
Leu Leu Met
 30

<210> 1340
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -26..-1

<400> 1340
Met Leu Thr Gly Arg Phe Leu Gly Gly Ser Gln Gly Phe Phe Leu Ser
 -25 -20 -15

Phe Leu Ser Phe Phe Phe Phe Ser Phe Phe Leu Phe Leu Xaa Phe Phe
 -10 -5 1 5
 Phe Phe Phe

<210> 1341
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1341
 Met Phe Ile Xaa Xaa Xaa Met Lys Gln Xaa Phe His Ile Ile Asp Phe
 -25 -20 -15
 Val Phe Met Ser Lys Leu Leu Leu Phe Ser Phe Ser Phe Leu Xaa Lys
 -10 -5 1
 Ala Arg Met Xaa Thr Ala Ala Pro Gly
 5 10

<210> 1342
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1342
 Met Val Thr Pro Val His Ile Leu Thr Ala Val Leu Pro Leu Val Ser
 -15 -10 -5
 His Gln Gln Asn His Leu Gly Gly Arg Phe Ala Ser Leu Gly Ser Ser
 1 5 10
 Gly Ile Arg His Gly
 15

<210> 1343
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1343
 Met Leu Ile Leu His Leu Ala Thr Leu Leu Asn Leu Phe Ile Ser Ser
 -15 -10 -5 1
 Asn Ser Phe

<210> 1344
 <211> 27

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -15..-1

<400> 1344
Met Pro Leu Ala Ser Phe Gly Pro Phe Arg Ser Ser Cys Phe Ala Ala
-15 -10 -5 1
Arg Ser Ile Ile Trp Lys Ser Gly Arg Gln Gly
5 10

<210> 1345
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -31..-1

<400> 1345
Met Glu Thr Trp Asn Gly Thr Ser Ile Ile Val Ala His Leu Xaa Ser
-30 -25 -20
Phe Ser Phe Leu Leu Ser Phe Leu Ser Phe Arg Ser Pro Leu Cys His
-15 -10 -5 1
His Pro Leu Gly
5

<210> 1346
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1346
Met Gln Phe Leu Ser Leu Ile Phe Ala Ser Cys Ser Ser Thr Thr Pro
-10 -5 1
Leu Pro Leu Xaa Gln Cys Cys Thr Leu Pro
5 10

<210> 1347
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -53..-1

<400> 1347

Met Val Thr Ser Lys Ser Arg Gly Pro Xaa Val Gln Thr Leu Gly His
-50 -45 -40
Ala Gly Asn Leu Arg Ser Leu Arg Glu Trp Pro Asp Leu Cys Cys Leu
-35 -30 -25
Arg Leu Phe Val Pro Asp His Thr Val Leu Ala Leu Val Cys His Ser
-20 -15 -10
Ala Ser Ile Ser Val Phe Pro Ser Gln Val Thr Cys Arg Leu Pro Arg
-5 1 5 10
Thr Gly Ser His Pro Ile Cys Val Ile Ser Gln Gly Ala Phe His Asp
15 20 25
Pro His Pro Asn
30

<210> 1348

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -27..-1

<400> 1348

Met Pro Arg Ser Ile Asp Xaa Lys Ala Leu Ile Trp Thr Val Arg Leu
-25 -20 -15
Val Val Leu Phe Ala Ser Pro Xaa Val Arg Pro Ala Ser Ser Met Ser
-10 -5 1 5
Ser Arg Leu Leu Leu Pro Xaa Leu His Tyr Ser Asp Trp Thr Cys Trp
10 15 20
Leu Pro Glu Arg Arg
25

<210> 1349

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -54..-1

<400> 1349

Met Thr Ser Leu Leu Thr Thr Pro Ser Pro Arg Glu Glu Leu Met Thr
-50 -45 -40
Thr Pro Ile Leu Gln Pro Thr Glu Ala Leu Ser Pro Glu Asp Gly Ala
-35 -30 -25
Ser Thr Ala Leu Ile Ala Val Val Ile Thr Val Val Phe Leu Thr Leu
-20 -15 -10
Leu Ser Val Val Ile Leu Ile Phe Phe Tyr Leu Tyr Lys Asn Lys Gly
-5 1 5 10
Ser Tyr Val Xaa Tyr Glu Pro Thr Glu Gly Glu Pro Ser Ala Ile Val
15 20 25
Gln Met Glu Xaa Xaa Leu Ala Lys Gly Ser Glu

30

35

<210> 1350
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18...-1

<400> 1350
 Met Thr Lys Ala Xaa Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu
 -15 -10 -5
 Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln
 1 5 10
 Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu
 15 20 25 30
 Cys Trp

<210> 1351
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23...-1

<400> 1351
 Met Ala Gln Leu Ile Met Trp Leu Lys Asn Gln Leu Ile Leu Leu Gly
 -20 -15 -10
 Ile Phe Arg Gly Ile Arg His Gln Ile Tyr Leu Ile Arg Thr Leu Gln
 -5 1 5
 Ile Arg Gln Trp
 10

<210> 1352
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30...-1

<400> 1352
 Met Gly Pro Val Pro Gly Ala Ala Ala Gly Val Xaa Pro Xaa Xaa Gly
 -30 -25 -20 -15
 Glu Leu Ala Xaa Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Val Ser
 -10 -5 1
 Ile Thr Ser Tyr Tyr Trp Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly
 5 10 15
 Pro Glu Trp Ile Gly Xaa Ile Asp His Ser Gly Asp Thr Asp Tyr Asn

20		25		30
Pro Ser Leu Gln Ser Arg Val Thr Leu Ser Val Asp Thr Ser Lys Asn				
35		40		45
Gln Phe Ser Leu Arg Leu Leu Ser Val Ser Ala				50
	55		60	

<210> 1353
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

<400> 1353
Met Trp Phe Gln Thr Arg Ser Cys Gly His His Asp Pro Val Gly Ile
-35 -30 -25
Thr Gly Val Thr Lys Val Ile Leu Pro Leu Phe Leu Cys Pro Leu Gly
-20 -15 -10 -5
Met Val Glu Thr Ser Phe Gly
1

<210> 1354
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -109..-1

<400> 1354
Met Ser Tyr Val Val Thr Lys Thr Lys Ala Ile Asn Gly Lys Tyr His
-105 -100 -95
Arg Phe Leu Gly Arg His Phe Pro Arg Phe Tyr Val Leu Tyr Thr Ile
-90 -85 -80
Phe Met Lys Gly Leu Gln Met Leu Trp Ala Asp Ala Lys Lys Ala Arg
-75 -70 -65
Arg Ile Lys Thr Asn Met Trp Lys His Asn Ile Lys Phe His Gln Leu
-60 -55 -50
Pro Tyr Arg Glu Met Glu His Leu Arg Gln Phe Arg Gln Asp Val Thr
-45 -40 -35 -30
Lys Cys Leu Phe Leu Gly Ile Ile Ser Ile Pro Pro Phe Ala Asn Tyr
-25 -20 -15
Leu Val Phe Leu Leu Met Tyr Leu Phe Pro Arg Gln Leu Leu Ile Arg
-10 -5 1

<210> 1355
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -19..-1

<400> 1355

Met	Tyr	Asn	Tyr	Tyr	Phe	Leu	Ser	Leu	Pro	Ser	Phe	Leu	Cys	Thr	Cys
			-15						-10					-5	
Cys	Gln	Phe	Phe	Pro	His	Asp	Pro	Ile	Ser	Ser	Gln	Tyr	Ser	Ser	Pro
		1				5					10				
Gln	Gly	Lys	Pro	Cys	Gln	Val	Thr	Tyr	Lys	Phe	Leu	Phe	Ile	Leu	Leu
	15					20					25				
Gly	His	Val	Tyr	Pro	Arg	Asp	Gly	Gly							
30					35										

<210> 1356
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -79..-1

<400> 1356

Met	Gln	Gly	Gly	Asn	Ser	Gly	Val	Arg	Lys	Arg	Glu	Glu	Glu	Gly	Asp
				-75					-70					-65	
Gly	Ala	Gly	Ala	Val	Ala	Ala	Pro	Pro	Ala	Ile	Asp	Phe	Pro	Ala	Glu
			-60					-55					-50		
Gly	Pro	Asp	Pro	Glu	Tyr	Asp	Glu	Ser	Asp	Val	Pro	Ala	Xaa	Ile	Gln
		-45					-40				-35				
Val	Leu	Lys	Glu	Pro	Leu	Gln	Gln	Pro	Thr	Phe	Pro	Phe	Ala	Val	Ala
	-30					-25					-20				
Asn	Gln	Leu	Leu	Leu	Val	Ser	Leu	Leu	Glu	His	Leu	Ser	His	Val	His
-15					-10					-5					1
Glu															

<210> 1357
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -17..-1

<400> 1357

Met	Val	Phe	Tyr	Cys	Phe	Ala	Leu	Cys	Ile	Ile	Leu	Ile	Cys	Val	Met
		-15					-10					-5			
Ser	Cys	Arg	His	Leu											
1															

<210> 1358
<211> 65
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL

<222> -43..-1

<400> 1358

Met Leu Trp Glu Thr Asp Leu Ser Thr Asn Lys Thr Pro Val Ser Cys
-40 -35 -30
Thr Ala Gly Ser Ala Cys Ala Leu Ser Leu Leu Gln Phe Pro Val Leu
-25 -20 -15
Ile Thr Gln Leu Cys Leu Gly Lys Gly Gln Ser Glu Pro Ile Gly Pro
-10 -5 1 5
Leu Gln Asp Phe Val Ser Leu Glu Ser Thr Ser His Phe Tyr Ser Phe
10 15 20
Phe

<210> 1359

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 1359

Met Thr Arg Arg Arg Thr Ser Leu Trp Cys Cys Ser Pro Ser Ser Arg
-20 -15 -10 -5
Thr Ser Ser Ser Leu Ser Trp Arg Met Gly Ser Gln Ile Arg Pro Ser
1 5 10

<210> 1360

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -18..-1

<400> 1360

Met Ala Phe Tyr Leu Trp Cys Phe His Ala Val Phe Phe Thr Val Cys
-15 -10 -5
Val Cys Val Arg
1

<210> 1361

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -33..-1

<400> 1361

Met Thr Leu Asn Glu His Ala Ala Phe Lys His Leu Phe Asn Lys Ala
-30 -25 -20
His Leu Ala Pro Pro Leu Ile His Leu Thr Leu Ser Gly His Ser Thr
-15 -10 -5
Cys Phe Arg Glu His Arg Val Gly Gly Lys Val Ile Asp Glu Gln His
1 5 10 15
Pro Lys Ala Glu Glu Ser Phe Leu Val Gln Glu Gly
20 25

<210> 1362

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 1362

Met Ser Phe Ser Ser Ser Leu Pro Pro Ser Leu Pro Pro Ser Leu Ala
-25 -20 -15
Ser Phe Leu Leu Leu Thr Phe Leu Pro Ser Leu Pro Arg
-10 -5 1

<210> 1363

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -46..-1

<400> 1363

Met Arg Ala Gln Gly Leu Ser Cys Gly Tyr Pro Ala Arg Pro Leu Gln
-45 -40 -35
Pro Phe Leu Glu His Leu Ala Gly Ser Gly Ile Thr Lys Arg Thr Ala
-30 -25 -20 -15
Pro Gly Cys Ala Pro Leu Arg Trp Val Pro Gln Ile Arg Gly Cys Pro
-10 -5 1
Leu Thr Arg Leu Ala Gln Arg Gly Ala Asp Thr Arg Thr Arg Glu Asn
5 10 15
Leu Phe Tyr Ser Arg Phe Pro Gly Leu Gln Leu Pro Ala Ala Xaa Xaa
20 25 30
Ser Ala Ser Ala Leu Ser Leu Cys Thr Pro Arg Ser Pro Pro Leu Pro
35 40 45 50
Leu Pro Leu Pro Ile Asn Ser Pro Gly
55

<210> 1364

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -37..-1

<400> 1364

Met Ala Ala Ser Ser Thr Ser His Leu Lys Asn Lys Thr Lys Thr Phe
 -35 -30 -25
Leu Ala Pro Met Thr Asn Cys His Ser Ile Ser Phe Leu Pro Phe Gln
 -20 -15 -10
Ala Ser Ile Phe Gly Lys Thr Arg Leu Gln Ser Leu Arg Pro Ser His
 -5 1 5 10
Pro Tyr Pro Pro His
 15

<210> 1365

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -39..-1

<400> 1365

Met Pro Lys Asp Ala Asp Leu Ala Phe Ser Ala Ser Leu Phe Glu Arg
 -35 -30 -25
Ala Glu Ser Leu Tyr Thr Leu Ile Ser Lys Phe Xaa Ser Cys Xaa Cys
 -20 -15 -10
Val Ser Thr Leu Ala Tyr Thr Lys Gly Arg Gly
 -5 1

<210> 1366

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -28..-1

<400> 1366

Met Phe Val Asn Arg Thr Cys Phe Asn Ser Ser Phe Pro Ile Trp Met
 -25 -20 -15
Pro Phe Leu Phe Leu Thr Leu Phe His Cys Leu Gly Arg Arg
 -10 -5 1

<210> 1367

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL
<222> -37...-1

<400> 1367
Met Xaa Gly Ser Ser Arg Xaa Xaa Gly Leu Gln Ile Thr Ala Ser Arg
-35 -30 -25
Thr Gly Lys Val Tyr Pro Ala Cys His Phe Leu Xaa Ala Val Ser Ala
-20 -15 -10
Ser Ser Ser Xaa Ala Cys Leu Trp Tyr Arg Pro Ile Ala Arg Arg Pro
-5 1 5 10
Ala Gly Pro Gly Gly Ser Leu Ser Ser Ala Gln Val His Pro Ala
15 20 25

<210> 1368
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -26...-1

<400> 1368
Met Ile Leu Phe Asp His Leu His Cys Ser Ala Ser Gly Val Thr Phe
-25 -20 -15
Trp Leu Leu Cys Arg Ile Cys Thr Phe Gly Phe His Gly Phe Ser Lys
-10 -5 1 5
Tyr Thr Val Ser Arg Gly Thr Gln Gln Gly Ala Gly Xaa Xaa Xaa Gly
10 15 20
Leu His Gln Asn Trp Glu Gln Trp Arg Gly Leu Val Gly Lys Ser Ser
25 30 35
Ser Ala Ala Val Val Phe Cys Leu Thr Phe Asp Leu Val Thr Ser Phe
40 45 50
Gln Leu Ala Ser Ala Ile Glu Ser Thr His Phe His Ala Gly Arg Asp
55 60 65 70
Gly Ser His Leu

<210> 1369
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29...-1

<400> 1369
Met Glu Leu Ser Leu Pro Pro Ser Met Cys Asp Tyr Pro Xaa Phe Cys
-25 -20 -15
Leu Leu Leu Phe Pro Ala Ser Leu Arg Leu Leu Cys Val His Pro
-10 -5 1

<210> 1370
<211> 27

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1370
Met Asp Gln Lys Pro Leu Phe Thr Val Gly Cys Ala Gly Leu Ala Gly
-20 -15 -10 -5
Ser Cys Arg Gly Ile Ser Phe Leu Arg Thr Arg
1 5

<210> 1371
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -23..-1

<400> 1371
Met Ser Val Asn Xaa Ile Phe Ile Phe Tyr Phe Ile Leu Leu Leu Leu
-20 -15 -10
Ile Gln Asp Leu Thr Met Ser Pro Thr Ala Gly Met Gln Trp His Asn
-5 1 5
His Gly Pro Pro Gln Ala Leu Pro Cys Pro Leu Arg Xaa
10 15 20

<210> 1372
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -45..-1

<400> 1372
Met Ser Phe Leu Asn Val Asp Ile Thr Asp Cys Leu Tyr Asn Pro Ser
-45 -40 -35 -30
Val Cys Pro Val Ala Gln Ser Ser Leu Thr Cys Asp Phe Ile Asp Gly
-25 -20 -15
Ile Cys Leu Gly Ser Pro Leu Ala Glu Cys Leu Leu Gly Xaa Xaa Xaa
-10 -5 1
Xaa Ile Xaa Gly Ile Asn Xaa Xaa Cys Phe Pro Cys Gly Val Lys Cys
5 10 15
Ala Gly Val Val Leu Gly Leu Ser Thr Leu Trp Tyr Val Val
20 25 30

<210> 1373
<211> 49
<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -37..-1

<400> 1373

Met Lys Val Gly Lys Asp Ser Leu Glu Ser Leu Pro Ser Leu Cys Glu
-35 -30 -25
Lys His Ile Gly Pro Ser Gly Leu Phe Thr Phe Leu Ser Pro Ser Phe
-20 -15 -10
His Ser Val His Leu Ser Glu Leu Asn Glu Leu Tyr Thr Ile Ala Ala
-5 1 5 10
Gly

<210> 1374

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -17..-1

<400> 1374

Met Glu Ser Lys Val Leu Ile Ser Ala Ser Leu Leu Arg Ala Ser Gln
-15 -10 -5
Leu Lys Ile Lys Xaa Asn Lys Met Thr Asn Phe Leu Ile Leu
1 5 10

<210> 1375

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1375

Met Ala Ala Ser Val Leu Asn Thr Val Leu Arg Arg Leu Pro Met Leu
-20 -15 -10
Ser Leu Phe Arg Gly Ser His Xaa Xaa Phe Arg Phe Pro Ser Arg Leu
-5 1 5
Phe Ala Pro Lys Leu Pro Leu Arg Lys Ile Leu Cys Pro Gln Phe Pro
10 15 20
Phe Leu Leu Ile Arg Met Ser Pro Gly Asn Ile Trp Asn Gln Lys Asn
25 30 35 40
Thr Arg Ser Asp Met Val Leu Ala Pro Ser Gly Leu Thr Thr Ala Ala
45 50 55
Thr Thr Arg Val Val Tyr Pro His Ser Gly Leu Gly Arg His Val Phe
60 65 70
Val Gly Ile Lys Leu Leu Gly Ile Pro Ala Pro Ser Val Glu Ile Thr
75 80 85

Ser Cys Met Leu Thr Leu
90

<210> 1376
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1376
Met Lys Ser Asn Leu Thr Leu Leu Thr Cys Leu Xaa Leu Xaa Gly Gly
 -15 -10 -5
Glu Gly Trp Lys Gly Ala Ala Val Cys Phe Glu Thr Val Glu Gln Phe
 1 5 10
Cys Ser Leu Arg Lys Trp His Val Thr Tyr Leu Xaa Lys Asp Ser Gly
15 20 25 30
Leu Cys Gln Gln Gln Glu Lys Leu Tyr Thr Lys Phe Leu Val Cys Ile
 35 40 45
Lys Gly Ala Ser Asn Glu Glu Ile Lys Lys Thr Tyr
 50 55

<210> 1377
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -14..-1

<400> 1377
Met Leu Ala Ser Pro Cys Val Leu Val Gln Gly Ser Gly Xaa Ser Leu
 -10 -5 1
Val Arg Thr Pro Trp Cys Pro Glu
 5 10

<210> 1378
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -19..-1

<400> 1378
Met Asn Ile Ile Leu Glu Ile Leu Leu Leu Ile Thr Ile Ile Tyr
 -15 -10 -5
Ser Tyr Leu Glu Ser Leu Val Lys Phe Phe Ile Pro Gln Arg Arg Lys
 1 5 10
Ser Val Ala Gly Glu Ile Val Leu Ile Thr Gly Ala Gly His

15

20

25

<210> 1379
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -39..-1

<400> 1379
 Met Asp Leu Ile Gly Phe Gly Tyr Ala Ala Leu Val Thr Phe Gly Ser
 -35 -30 -25
 Ile Phe Gly Tyr Lys Xaa Arg Gly Gly Val Pro Ser Leu Ile Ala Gly
 -20 -15 -10
 Leu Phe Val Gly Cys Leu Ala Gly Tyr Xaa Ala Tyr Arg Val Ser Asn
 -5 1 5
 Asp Lys Arg Asp Val
 10

<210> 1380
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1380
 Met Glu Gly Val Ala Xaa Xaa Thr Phe Leu Ala Ala Xaa Arg Arg Leu
 -15 -10 -5
 Val Thr Gly Gln Thr Ser Pro Arg Gly Thr Trp Cys Leu Tyr Pro Gly
 1 5 10
 Phe Cys Arg Ser Val Ala Cys Ala Met Pro Cys Cys Ser His Arg Ser
 15 20 25
 Cys Arg Glu Asp Pro Gly Thr Ser Glu Ser Arg Glu Met Val Arg Val
 30 35 40 45
 Arg Asp His Gly

<210> 1381
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1381
 Met Thr Gly Gln Phe Thr Lys Glu Ile Gly Leu Ile Gly Leu Thr Val
 -20 -15 -10
 Pro Cys Gly Trp Gly Ser Leu Ile Thr Met Ala Glu Gly Arg Glu Glu

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$.

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<211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -55..-1

<400> 1385
 Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn
 -55 -50 -45 -40
 Lys Pro Glu Leu Tyr Glu Val Arg Gln His Gly Arg Ala Val Cys Gly
 -35 -30 -25
 Gly Glu Asp Asn Ala Ser Pro Gly Glu Gly Leu His Gln Gly Leu Cys
 -20 -15 -10
 Leu Pro Gln Arg Val His Cys Ser Leu Leu Pro Ala Pro
 -5 1 5

<210> 1386
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1386
 Met Pro His Ser Phe Val Ser Cys Asn Leu Phe Leu Ser Val Leu Asn
 -20 -15 -10
 Phe Leu Phe Leu Leu Ser Phe Ser Thr
 -5 1

<210> 1387
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1387
 Met Ala Val Phe Leu Gln Lys Arg Lys His Thr Met Arg His His Leu
 -25 -20 -15
 Leu Leu Ser Thr Leu Ala Thr Ile Ala Gly Asn Ile Tyr Arg
 -10 -5 1

<210> 1388
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -26..-1

<400> 1388

Met	Ala	Asp	Ser	Glu	Ala	Leu	Pro	Ser	Leu	Ala	Gly	Asp	Pro	Val	Ala
-25						-20					-15				
Val	Glu	Ala	Leu	Leu	Arg	Ala	Val	Phe	Gly	Val	Val	Val	Asp	Glu	Ala
-10					-5				1				5		
Ile	Gln	Lys	Gly	Thr	Ser	Val	Ser	Gln	Lys	Val	Cys	Xaa	Trp	Lys	
			10					15					20		

<210> 1389
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -36..-1

<400> 1389

Met	Arg	Leu	Ala	Met	Val	Gln	Leu	Val	Leu	Asn	Asn	Leu	Lys	Thr	Phe
-35						-30					-25				
Tyr	Pro	Phe	Ala	Asp	His	Asp	Leu	Ala	Glu	Leu	Pro	Val	Ser	Ser	Pro
-20					-15					-10				-5	
Leu	Cys	His	Ala	Val	Leu	Lys	Thr	Leu	Gln	Cys	Trp	Glu	Gln	Val	Leu
				1				5					10		
Leu	Arg	Arg	Leu	Glu	Ile	His	Gly	Gly	Pro	Pro	Gln	Asn	Tyr	Ile	Ala
			15				20					25			
Ser	His	Thr	Ala	Xaa	Xaa	Ser	Leu	Ser	Ala	Gly	Pro	Ala	Ile	Leu	Arg
	30					35					40				
His	Lys	Ala	Leu	Leu	Glu	Pro									
45					50										

<210> 1390
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1390

Met	Phe	Lys	Leu	Phe	Leu	Phe	Leu	Phe	Ile	Leu	Xaa	Tyr	Phe	Xaa	Xaa
-20					-15					-10				-5	
Tyr	Thr	Leu	Ser	Ser	Gly	Ile	Tyr	Val	Gln	Asn	Val	Gln	Val	Cys	Tyr
			1				5						10		
Ile	Gly	Ile	His	Met	Pro	Trp	Trp	Phe	Ala	Ala	Pro	Met	Asn	Leu	Ser
		15					20					25			
Ser	Ala	Leu													
		30													

<210> 1391

<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 1391
Met Ile Tyr Ser Arg Ser Leu Glu Leu Ile Pro Leu Leu Ser Glu Ile
-20 -15 -10
Leu Tyr Ala Leu Ala Asn Ile Ser Pro Ile Pro Gln Thr
-5 1 5

<210> 1392
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 1392
Met Val His Val Ile Phe Tyr Phe Val Leu Phe Leu Gly Ile Met Thr
-15 -10 -5
Gln Arg
1

<210> 1393
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25..-1

<400> 1393
Met His Lys Phe Phe Arg His Phe Tyr Ser Asp Phe Leu Ile Tyr Phe
-25 -20 -15 -10
Phe Gln Leu His Ser Cys Cys His Asp Lys Val Thr Ala Xaa Arg Ala
-5 1 5
Tyr Xaa His Tyr Ser Ser Leu Leu Thr Pro Tyr Leu Ser Gln His Pro
10 15 20
Cys Pro His Pro Gly
25

<210> 1394
<211> 121
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL
<222> -26..-1

<400> 1394

Met Ala Ala Leu Gly Ser Pro Ser His Thr Phe Arg Gly Leu Leu Arg
-25 -20 -15
Glu Leu Arg Tyr Leu Ser Ala Ala Thr Gly His Pro Ile Ala Thr Pro
-10 -5 1 5
Arg Pro Ile Gly Thr Xaa Val Lys Ala Phe Arg Ala His Arg Val Thr
10 15 20
Ser Glu Lys Leu Cys Arg Ala Gln His Glu Leu His Phe Gln Ala Ala
25 30 35
Thr Tyr Leu Cys Leu Leu Arg Xaa Ser Gly Asn Met Trp Pro Tyr Ile
40 45 50
Arg Asn Phe Met Ala Arg Val Ser Ala Arg Trp Arg Ser Leu Leu Ala
55 60 65 70
Trp Trp Val Ser Ser Cys Pro Ile Ser Leu Glu Gly Arg Ala Gly Ser
75 80 85
His Glu His Gly Glu Tyr Pro Trp Met
90 95

<210> 1395

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -28..-1

<400> 1395

Met Ile Thr Asp Val Gln Leu Ala Ile Phe Ala Asn Met Leu Gly Val
-25 -20 -15
Ser Leu Phe Leu Leu Val Val Leu Tyr His Tyr Ala Ala Val
-10 -5 1

<210> 1396

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -18..-1

<400> 1396

Met Ala Glu Gly Ala Leu Ser Phe Leu Cys Ser Leu Ser Gln Asn Ala
-15 -10 -5
Leu Asn Ile Ser Leu Ile Ser Arg Lys
1 5

<210> 1397

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1397

Met Tyr Pro Ser Phe Leu Leu Cys Phe Thr Leu Val Gly Thr Gln Leu
-15 -10 -5
Arg Asn Ser Ser Leu Ala Met
1 5

<210> 1398

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1398

Met Glu Ser Cys Thr Val Gly Cys Ala Thr Ala Ser Ser Trp Gly Cys
-15 -10 -5 1
Thr Ser Arg

<210> 1399

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -43..-1

<400> 1399

Met Ala Met Ser Phe Glu Trp Pro Trp Gln Tyr Arg Phe Pro Pro Phe
-40 -35 -30
Phe Thr Leu Gln Pro Asn Val Asp Thr Arg Gln Lys Gln Leu Ala Ala
-25 -20 -15
Trp Cys Ser Leu Val Leu Ser Phe Cys Arg Leu His Lys Gln Ser Ser
-10 -5 1 5
Met Thr Val Met Glu Ala Gln Glu Ser Pro Leu Phe Asn Asn Val Lys
10 15 20
Leu Gln Arg Lys Leu Pro Val
25

<210> 1400

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14...-1

<400> 1400

Met Arg Leu His Val His Ser Leu Ser Pro Phe Ser Phe Ala Cys Leu
-10 -5 1
Pro Phe Leu Ser Pro Pro Leu
5

<210> 1401

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26...-1

<400> 1401

Met Leu His Phe Xaa Tyr Met Ile Xaa Val Cys Leu Glu Arg Met Cys
-25 -20 -15
Ile Leu Gln Leu Leu Ser Ala Val Leu Tyr Arg Phe
-10 -5 1

<210> 1402

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -30...-1

<400> 1402

Met Ser Ser Glu Pro Pro Pro Pro Gln Pro Pro Thr His Gln Ala
-30 -25 -20 -15
Ser Val Gly Leu Leu Asp Thr Pro Leu Gly Ala Val Ser Ala His His
-10 -5 1
Pro Leu Cys
5

<210> 1403

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20...-1

<400> 1403

Met Phe Leu Asp His Val Arg Phe Leu Thr Ser Ile Ser Phe Leu Ala
-20 -15 -10 -5
Leu Val Leu Trp Asn Val Phe Leu Asn Ser Thr Arg Leu
1 5

<210> 1404
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1404
 Met Arg Glu Lys Pro Gln Pro Ala Leu Leu Thr Ser Ser Glu Leu Pro
 -15 -10 -5
 Ala Leu Ala Ser Gln Ile His Cys Arg Val
 1 5

<210> 1405
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1405
 Met Pro His Asn His Leu Glu Gly Asp Ala Leu Leu Arg Val Pro Val
 -25 -20 -15
 Leu Cys Ile Trp Arg Ala Trp Leu Arg Ala Glu Val Gly Gly Arg Ala
 -10 -5 1 5
 Pro Leu Pro Gly Arg Met
 10

<210> 1406
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1406
 Met Lys Asn Thr Leu Tyr Tyr Asn Phe Cys Leu Phe Trp Ile Xaa Leu
 -20 -15 -10
 Pro Pro His Thr Cys Thr His Thr Asp Thr His
 -5 1 5

<210> 1407
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -35..-1

<400> 1407

Met	Cys	Leu	Asn	Pro	Ala	Cys	Ser	Gly	Pro	Leu	Ser	Leu	Arg	Ser	Pro
-35					-30					-25					-20
Arg	Leu	Pro	Pro	Leu	Phe	Cys	Thr	Phe	Leu	Ser	Leu	Ser	Leu	His	Pro
				-15					-10					-5	
Trp	Gly	Gly	Phe	Phe	Leu	Cys	Ala	Trp	Ile	Ser	Xaa	Phe	Leu	Pro	Trp
			1				5					10			
Val	Cys	Val	Xaa	Ala											
15															

<210> 1408
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -89..-1

<400> 1408

Met	Ala	His	Ser	Lys	Thr	Arg	Thr	Asn	Asp	Gly	Lys	Ile	Thr	Tyr	Pro
				-85					-80					-75	
Pro	Gly	Val	Lys	Glu	Ile	Ser	Asp	Lys	Ile	Ser	Lys	Glu	Glu	Met	Val
			-70					-65					-60		
Arg	Arg	Leu	Lys	Met	Val	Val	Lys	Thr	Phe	Met	Asp	Met	Asp	Gln	Asp
			-55				-50					-45			
Ser	Glu	Glu	Glu	Lys	Glu	Leu	Tyr	Leu	Asn	Leu	Ala	Leu	His	Leu	Ala
	-40					-35					-30				
Ser	Asp	Phe	Phe	Leu	Lys	His	Pro	Asp	Lys	Asp	Val	Arg	Leu	Leu	Val
-25				-20					-15					-10	
Ala	Cys	Cys	Leu	Ala	Asp	Ile	Phe	Arg	Ile	Tyr	Ala	Pro	Glu	Ala	Pro
			-5						1				5		
Tyr	Thr	Ser	Pro	Lys											
10															

<210> 1409
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1409

Met	Xaa	Ser	Cys	Glu	Ile	Ala	Trp	Thr	Ala	Thr	Pro	Ser	Ser	Ala	Ala
			-15					-10					-5		
Phe	Ala	Gln	Ala	Phe	Pro	Thr	Ala	Cys	Asn						
	1					5									

<210> 1410

<211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1410
 Met Cys His Tyr Leu Trp Lys Lys Leu Tyr Ser Thr Leu Leu Tyr Ile
 -25 -20 -15 -10
 Leu Ser Arg Ser Ser Gly Arg Arg Gly Lys Asn Leu Ile Thr Ala Val
 -5 1 5
 Ala Ser Arg Ala Gly Asn Leu Gly Val Trp Thr Glu Lys Gly
 10 15 20

<210> 1411
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -27..-1

<400> 1411
 Met Xaa Ser His Arg Leu Phe Gly Cys Phe Pro Ser Asp Leu Ser Arg
 -25 -20 -15
 Met Val Leu Leu Ser Ser Ala Leu Leu Ser Thr Glu Asn
 -10 -5 1

<210> 1412
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -21..-1

<400> 1412
 Met Arg Pro Ser His Ser Ser Ala Tyr Leu Cys Leu His Leu Cys Ala
 -20 -15 -10
 Phe Ser Thr Glu Gly Trp Met Asn Arg Leu Ser Ser Ser Leu Arg Leu
 -5 1 5 10
 Ala Pro Leu Pro Leu Tyr Pro Phe Cys Leu Pro Ser Asn Ser Pro
 15 20 25

<210> 1413
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -16..-1

<400> 1413

Met Trp Ser Arg Leu Val Trp Leu Gly Leu Arg Ala Pro Leu Gly Gly
-15 -10 -5
Arg Gln Gly Phe Thr Ser Lys Ala Asp Pro Gln Gly Ser Gly Arg Ile
1 5 10 15
Thr Ala Ala Val Ile Glu His Leu Glu Arg Leu Ala Leu Val Asp Phe
20 25 30
Gly Ser Arg Glu Ala Val Ala Arg Leu Glu Lys Ala Ile Ala Phe Ala
35 40 45
Asp Arg Leu Arg Ala Val Asp Thr Asp Gly Val Glu Pro Met Glu Ser
50 55 60
Val Leu Glu Asp Arg Cys Leu Tyr Leu Arg Ser Asp Asn Val Val Glu
65 70 75 80
Gly Asn Cys Ala Asp Glu Leu Leu Gln Asn Ser His Arg Val Val Glu
85 90 95
Glu Tyr Phe Val Ala Pro Pro Gly Asn Ile Ser
100 105

<210> 1414
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -81..-1

<400> 1414

Met Ala Pro Pro Val Arg Tyr Cys Ile Pro Gly Glu Arg Leu Cys Asn
-80 -75 -70
Leu Glu Glu Gly Ser Pro Gly Ser Gly Thr Tyr Thr Arg His Gly Tyr
-65 -60 -55 -50
Ile Phe Ser Ser Leu Xaa Gly Cys Leu Met Lys Ser Ser Glu Asn Gly
-45 -40 -35
Ala Leu Pro Val Val Ser Val Val Arg Glu Thr Glu Ser Gln Leu Leu
-30 -25 -20
Pro Asp Val Gly Ala Ile Val Thr Cys Lys Ser Leu Ala Ser Ile His
-15 -10 -5
Ala Leu Pro
1

<210> 1415
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -60..-1

<400> 1415

Met Val Gly Asn Gln Gly Pro Gln Pro Pro Phe Pro Met Glu Pro
 -60 -55 -50 -45
 Thr Met Ala Gln Tyr Gln Ala Ile Ser Lys His Leu Pro Lys Val Cys
 -40 -35 -30
 Gln Glu Pro His Leu Pro Arg Gly His Leu Gln Pro Gln Gln His Arg
 -25 -20 -15
 Leu Leu Val Ala Arg Leu His Met Ala Ser Leu Ala Arg Arg Cys Thr
 -10 -5 1
 Glu Trp Ala Lys Leu His Cys Ser Asp Ala Arg Leu Pro Trp Val Ser
 5 10 15 20

<210> 1416
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -28..-1

<400> 1416
 Met Lys Pro Gln Thr Leu Ala Val Ser Val Thr Val Leu Lys Asp Gly
 -25 -20 -15
 Val Ala Gly Val Cys Phe Phe Arg Arg Ser Asp Ala Ser Glu Val Ser
 -10 -5 1
 Ser Phe Trp
 5

<210> 1417
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -43..-1

<400> 1417
 Met Val Val Leu Ile Cys Leu Ser Leu Met Ile Ser Asn Thr Glu Leu
 -40 -35 -30
 Phe Phe Ile Arg Phe Leu Thr Ala Cys Met Pro Ser Phe Glu Lys Cys
 -25 -20 -15
 Leu Phe Leu Ser Phe Ala His Phe Leu Met Gly Arg Thr His Arg
 -10 -5 1

<210> 1418
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

<400> 1418
Met Ser Ser Leu Tyr Ile Leu Asp Ile Ser Leu Leu Ser Asp Ile Leu
-20 -15 -10
Phe Ala Asn Ile Phe Ser His Ser Trp Asp Val Phe Pro Leu Ser Phe
-5 1 5 10
Leu Phe Phe Ser

<210> 1419
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -84..-1

<400> 1419
Met Gly Gln Gly Ala Arg Gly Trp His Arg Glu Pro Gly Leu Gly Leu
-80 -75 -70
Arg His Ser Pro Arg Arg Leu Ser Gly Ala Leu His Leu Glu Ala Gly
-65 -60 -55
Cys Asp Arg Asn Ala Thr Thr Val Arg Pro Leu Arg Ala Lys Xaa Gly
-50 -45 -40
Asp Ala Leu Pro Glu Glu Ile Arg Glu Pro Ala Leu Arg Asp Ala Gln
-35 -30 -25
Trp Val Arg Asp Gln Leu Ala Ser Ser Leu Leu Ile Ile Leu Leu Pro
-20 -15 -10 -5
Asn Thr Gln Asp Leu Arg Ile Gln Lys Asp Pro Thr Pro Gly Pro
1 5 10

<210> 1420
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -48..-1

<400> 1420
Met Arg Lys Arg Lys Ile Ser Val Cys Gln Gln Thr Trp Ala Leu Leu
-45 -40 -35
Cys Lys Asn Phe Leu Lys Lys Trp Arg Met Lys Arg Glu Ser Leu Met
-30 -25 -20
Glu Trp Leu Asn Ser Leu Leu Leu Leu Cys Leu Tyr Ile Tyr Pro
-15 -10 -5
His Ser His Gln Val Asn Xaa Xaa Ser Ser Leu Leu Thr Met Asp Leu
1 5 10 15
Gly Arg Val Asp Xaa Xaa Asn Glu Ser Arg Phe Ser Val Val Tyr Thr
20 25 30
Pro Val Thr Asn Thr Thr Pro
35

<210> 1421

<211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 1421
 Met Cys Thr Cys Leu Cys Val Cys Leu Tyr Met Tyr Asn Met Gln Phe
 -30 -25 -20 -15
 Leu Xaa Phe Val Phe Val Cys Xaa Leu Leu Lys Cys Met Ser Val Pro
 -10 -5 1

Leu

<210> 1422
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1422
 Met Ala Ala Ser Ala Ala Ala Ala Glu Leu Gln Ala Ser Gly Gly Pro
 -30 -25 -20
 Arg His Pro Val Cys Leu Leu Val Leu Gly Met Ala Gly Ser Gly Lys
 -15 -10 -5 1
 Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu His Ala Gln Gly Thr
 5 10 15
 Pro Pro Tyr Val Ile Asn Leu Asp Pro Ala Val His Glu Val Pro Xaa
 20 25 30
 Pro Ala Asn Ile Asp Ile Arg Asp Thr Val Lys Tyr Lys Glu Val Met
 35 40 45
 Lys Gln Tyr Gly Leu Gly Pro Asn Gly Gly Ile Val Thr Ser Leu Asn
 50 55 60 65
 Leu Phe Xaa Thr Arg Phe Asp Gln Val Met Lys Leu Leu Arg Arg Pro
 70 75 80
 Arg Thr Cys Pro Asn Met Cys
 85

<210> 1423
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1423
 Met Tyr Ala Cys Ala Met Leu Val Leu Leu Thr His Gly Leu Ile His
 -20 -15 -10 -5

Tyr Ser Phe Thr His His Leu His Tyr Val Phe Ile Leu Ile Leu Pro
1 5 10
Leu Pro Pro Pro Pro Gln
15

<210> 1424
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -24..-1

<400> 1424
Met Gly Phe Leu Gly Ser Pro Arg Gln Arg Asn Ser Met Cys Leu Leu
-20 -15 -10
Leu Asp Val Ser Ser Xaa Lys Ser Thr Asp Asn Xaa Xaa Xaa Xaa
-5 1 5
Leu Ile Ile Tyr Tyr Leu Ile Thr Arg Lys Gly Pro Gly
10 15 20

<210> 1425
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -43..-1

<400> 1425
Met Ser Cys Gln Xaa Xaa Leu Ala Xaa Thr Leu Thr Trp Leu Met Ile
-40 -35 -30
Arg Gly Arg His Pro Tyr Leu Thr Arg Arg Ser Ala Arg Asn Phe Asn
-25 -20 -15
Ile Phe Leu Ala Ala Pro Ser Pro Val Trp Gln Pro Gln Arg Thr Arg
-10 -5 1 5
Arg Pro Gln

<210> 1426
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -34..-1

<400> 1426
Met Cys Pro Ala Trp Leu Pro Cys Trp Thr Ala Gln Thr Glu His Leu
-30 -25 -20
Asp Arg Tyr Arg Lys Phe His Gln Met Ala Leu Xaa Pro Gly Thr Ser
-15 -10 -5

Arg Ala Gln Ala Leu Leu Tyr Asn Glu Val Leu Glu Arg Phe Met Phe
 1 5 10
 Thr Arg Leu
 15

<210> 1427
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18...-1

<400> 1427

Met Asn Val Met Lys Arg Ile Cys Thr Phe Leu Leu Pro Ser His Ser
 -15 -10 -5
 Thr Ser Gly Pro Leu Cys Cys Ser Asn Ala His Leu Pro Ala Thr Ser
 1 5 10
 Ser Thr Leu Lys His Cys Arg Ala Trp Arg Glu Ala
 15 20 25

<210> 1428
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -121...-1

<400> 1428

Met Val Val Phe Gly Tyr Glu Ala Gly Thr Lys Pro Arg Asp Ser Gly
 -120 -115 -110
 Val Val Pro Val Gly Thr Glu Glu Ala Pro Lys Val Phe Lys Met Ala
 -105 -100 -95 -90
 Ala Ser Met His Gly Gln Pro Ser Pro Ser Leu Glu Asp Ala Lys Leu
 -85 -80 -75
 Arg Arg Pro Met Val Ile Glu Ile Ile Glu Lys Asn Phe Asp Tyr Leu
 -70 -65 -60
 Arg Lys Glu Met Thr Gln Asn Ile Tyr Gln Met Ala Thr Phe Gly Thr
 -55 -50 -45
 Thr Ala Gly Phe Ser Gly Ile Phe Ser Asn Phe Leu Phe Arg Arg Cys
 -40 -35 -30
 Phe Lys Val Lys His Asp Ala Leu Lys Thr Tyr Ala Ser Leu Ala Thr
 -25 -20 -15 -10
 Leu Pro Phe Leu Ser Thr Val Val Thr Asp Lys Leu Phe Val Ile Asp
 -5 1 5
 Ala Leu Tyr Ser Asp Asn Ile Ser Lys Glu Asn Cys Val Phe Arg Ser
 10 15 20
 Ser Leu Ile Gly Ile Val Cys Gly Val Phe Tyr Pro Ser Ser Xaa Ala
 25 30 35
 Phe Thr
 40

<210> 1429
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -38..-1

<400> 1429
 Met Ala Glu Ile Thr Asn Ile Arg Pro Ser Phe Asp Val Ser Pro Val
 -35 -30 -25
 Val Ala Gly Leu Ile Gly Ala Ser Val Leu Val Val Cys Val Ser Val
 -20 -15 -10
 Thr Val Phe Val Trp Ser Cys Cys Xaa Gln Gln Ala Glu Lys Lys His
 -5 1 5 10
 Lys Asn Pro Pro Tyr Lys Phe Ile His Met Leu Lys Gly Xaa Ser
 15 20 25

<210> 1430
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1430
 Met Val Ile Leu Thr Met Leu Ile Leu Leu Ile His Glu His Gly Ile
 -15 -10 -5 1
 Phe Phe Ser Leu Val Cys Val Leu Phe
 5 10

<210> 1431
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1431
 Met Phe Ser His Asn His Ser Tyr Thr Tyr Thr Pro Gln His Ser Pro
 -25 -20 -15
 Leu Thr His Thr His Thr Cys Thr Pro Pro Ser Thr Ala His Pro Arg
 -10 -5 1
 Gly

<210> 1432
 <211> 22
 <212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1432

Met Phe Xaa Met Ile Leu Leu Cys Phe Leu Ala Val Ser Asn Phe Asn
-15 -10 -5 1
Lys Leu Leu Trp Gly Xaa
5

<210> 1433

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 1433

Met Phe Leu Ile Leu Gly Lys Phe Ser Arg Val Met Gly Leu Pro Leu
-25 -20 -15
Ala Cys Phe Ser Leu Phe Gly Xaa Leu Pro Gln Gly Leu Leu Ile
-10 -5 1 5

<210> 1434

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -19..-1

<400> 1434

Met Val Ala Leu Gly Gln Leu Ala Xaa Leu Pro Gly Xaa Xaa His Gly
-15 -10 -5
Gly Leu Ser Ala Val Thr Val Val Leu Pro Ile Leu Leu Cys
1 5 10

<210> 1435

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1435

Met Pro Val Ser Phe Val Cys Leu Leu Phe Arg Asn Val Tyr Ser Asn
-15 -10 -5 1

Leu Leu Pro Ser Phe Phe
5

<210> 1436
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -27...-1

<400> 1436
Met Gly Ser Gly Gly Asp Ser Leu Leu Gly Gly Arg Gly Ser Leu Pro
-25 -20 -15
Leu Leu Leu Pro Ala His His Gly Arg His Gly Ser Gly Leu Pro Ala
-10 -5 1 5
Pro Asp Pro Ser Pro Pro Gly Pro Ala Val Pro Gly Pro Trp Pro
10 15 20
Cys Gln Asp Glu Leu Pro Ser Leu Arg Pro Ala Thr Ser His His Phe
25 30 35

<210> 1437
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25...-1

<400> 1437
Met Ala Val Gly Gly Thr Ala Val Ile Thr Arg Arg Leu Leu Gly Arg
-25 -20 -15 -10
Ser Gly Phe Ser Phe Gln Val Ser Gly Trp Gly Trp Gly Glu Arg Val
-5 1 5
Asp Asp Phe Leu Phe Ser Ser Gly Ile Asp Gly
10 15

<210> 1438
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21...-1

<400> 1438
Met Arg His His Val Arg Xaa Pro Ala Leu Ser Ser Leu Ala His His
-20 -15 -10
Pro Arg Thr Ser Gly Gln Lys Arg Glu Pro Ile Ala Pro Ala Gln Leu
-5 1 5 10
Ser Pro

<210> 1439
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -73..-1

<400> 1439
 Met Leu Ile Leu Asn Gly Phe Arg Gly His Ala Thr Asp Ser Val Lys
 -70 -65 -60
 Asn Ser Met Glu Ser Met Asn Thr Asp Met Val Ile Ile Pro Gly Gly
 -55 -50 -45
 Leu Thr Ser Gln Leu Gln Val Leu Asp Val Val Val Tyr Lys Pro Leu
 -40 -35 -30
 Asn Asp Ser Val Arg Ala Gln Tyr Ser Asn Trp Leu Leu Ala Gly Asn
 -25 -20 -15 -10
 Leu Ala Leu Ser Pro Thr Gly Asn Ala Lys Lys Pro Pro Leu Gly Leu
 -5 1 5
 Phe Leu Glu Trp Val Met Val Ala Trp Asn Ser Ile Ser Ser Glu Ser
 10 15 20
 Ile Val Gln Gly Xaa Lys Glu Val Pro Tyr Leu Xaa Gln Leu Gly Gly
 25 30 35
 Gly Arg Arg
 40

<210> 1440
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -25..-1

<400> 1440
 Met Ile Cys Thr Thr Val Tyr Ile Thr Met Ala Pro Tyr Cys Leu Ser
 -25 -20 -15 -10
 Asn Cys Leu Leu Xaa Xaa Ser Trp Gly Leu His Leu Tyr Arg Phe Leu
 -5 1 5
 Ala Pro

<210> 1441
 <211> 16
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1441

Met Val Ser Leu Cys Val Ala Ala Leu Phe Pro Leu Gln Ala Tyr Gly
 -10 -5 1

<210> 1442
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1442
 Met Leu Ser Ile Phe Ser Phe Phe Cys Arg Pro Phe Val Tyr Leu Leu
 -20 -15 -10
 Leu Arg Asn Leu Xaa Ser Tyr Ser Leu Pro Thr Thr
 -5 1

<210> 1443
 <211> 94
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -77..-1

<400> 1443
 Met Phe Pro Val Ser Ser Gly Cys Phe Gln Glu Gln Gln Glu Thr Asn
 -75 -70 -65
 Lys Ser Leu Pro Arg Ser Ala Ser Thr Pro Glu Thr Arg Thr Lys Phe
 -60 -55 -50
 Thr Gln Asp Asn Leu Cys Xaa Ala Gln Arg Glu Arg Leu Asp Ser Ala
 -45 -40 -35 -30
 Asn Leu Trp Val Leu Val Asp Cys Ile Leu Arg Asp Thr Ser Glu Asp
 -25 -20 -15
 Leu Gly Leu Gln Cys Asp Ala Val Asn Leu Ala Phe Gly Arg Arg Cys
 -10 -5 1
 Glu Glu Leu Glu Asp Ala Arg His Lys Leu Gln Xaa His Leu
 5 10 15

<210> 1444
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1444
 Met Pro Leu Val His Ser Phe Leu Trp Leu Ser Ser Ile Leu Tyr Ile
 -15 -10 -5 1
 Tyr His Leu Arg

5

<210> 1445
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24..-1

<400> 1445
 Met Ile Ser Asn Gly Lys Phe Phe Cys Phe Phe Xaa Val Phe Xaa Phe
 -20 -15 -10
 Xaa Phe Leu Xaa Arg Xaa Leu Xaa Xaa Xaa Pro Arg Leu Glu Cys Asn
 -5 1 5
 Gly Lys Xaa Ser Ala His Xaa Asn Leu Arg Leu Leu Ser Xaa Ser Asn
 10 15 20
 Ser Leu Ala Ser Ala Pro Arg Gly
 25 30

<210> 1446
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -90..-1

<400> 1446
 Met Glu Asp Ser Ala Ser Ala Ser Leu Ser Ser Ala Ala Ala Thr Gly
 -90 -85 -80 -75
 Thr Ser Thr Ser Thr Pro Ala Ala Pro Thr Ala Arg Lys Gln Leu Asp
 -70 -65 -60
 Lys Glu Gln Val Arg Lys Ala Val Asp Ala Leu Leu Thr His Cys Lys
 -55 -50 -45
 Ser Arg Lys Asn Asn Tyr Gly Leu Leu Leu Asn Glu Asn Glu Ser Leu
 -40 -35 -30
 Phe Leu Met Val Val Leu Trp Lys Ile Pro Ser Lys Glu Leu Arg Val
 -25 -20 -15
 Arg Leu Thr Leu Pro His Ser Ile Arg Ser Asp Ser Glu Asp Ile Cys
 -10 -5 1 5
 Xaa Phe Thr Lys Asp
 10

<210> 1447
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1447

Met	Asn	Ala	Glu	Gly	Ala	Ser	Pro	Gly	Lys	Glu	Thr	Asn	Thr	Gly	Thr
				-25					-20					-15	
Leu	Ile	Glu	Leu	Asn	Leu	Xaa	Ser	Pro	Val	Ala	Leu	Gln	Trp	Pro	Leu
			-10					-5					1		
Ser	Ser	Pro	Ser	Cys	Leu	Arg	Ile	Leu	Ser	Asn	Lys	Val	Pro	Arg	Asn
	5					10					15				
Leu	Arg	Trp	Gln	Lys	His	Tyr	Ser	Thr	His	Gln					
20					25					30					

<210> 1448

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -63..-1

<400> 1448

Met	Leu	Gly	Leu	Asp	Glu	Leu	Gly	Arg	Ser	Gly	Cys	Gly	His	Cys	Thr
			-60					-55					-50		
Gln	Ala	Asp	Leu	Arg	Phe	Gly	Asp	Ala	Ala	Gly	Xaa	Glu	Pro	Arg	Xaa
		-45				-40						-35			
Arg	Xaa	Thr	His	Arg	Asn	Thr	Ala	Ala	Ala	Arg	Val	Pro	Pro	Pro	Pro
	-30					-25					-20				
Arg	Val	Met	Ala	Ala	Ala	Ala	Ala	Leu	Arg	Ala	Pro	Ala	Gln	Ser	Ser
-15					-10				-5					1	
Val	Thr	Phe	Glu	Asp	Val	Ala	Val	Asn	Phe	Ser	Leu	Glu	Glu	Trp	Ser
			5					10					15		
Leu															

<210> 1449

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -26..-1

<400> 1449

Met	Ser	Ala	Leu	Lys	Asp	Phe	Arg	Glu	Phe	Leu	Asn	Trp	Trp	Gly	Asn
	-25					-20					-15				
Leu	Ser	Phe	His	Leu	Gln	Glu	Ala	His	Gly	Ser	Glu	Ile	Ala	Glu	Met
-10				-5					1				5		
Gly	Ala	Gly	Ile	Leu	Glu	Glu	Lys	Asn	Tyr	Gly	Gln	Gln	Xaa	His	Cys
			10					15					20		
Asn															

<210> 1450

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -30..-1

<400> 1450

Met Ser Leu Pro Pro Phe Phe His Pro Ser Pro Ala Pro Ser Leu Ala
-30 -25 -20 -15
Pro Pro Pro Ser Leu Phe Leu Ser Leu Pro Pro Ser Leu Ser Pro Pro
-10 -5 1
Leu Pro Ala Arg
5

<210> 1451

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -13..-1

<400> 1451

Met Phe Phe Leu Cys Gly Phe Leu Tyr Leu Cys Phe Ile Ser Phe Phe
-10 -5 1
Phe Phe
5

<210> 1452

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -42..-1

<400> 1452

Met Lys Ala Gly Pro Cys Ser Cys Gln Glu Gly Gly Arg Gln Trp Ala
-40 -35 -30
His Gly Ser Val Pro Leu Gln Pro Thr Ala Arg Leu Ala Ala Leu Gly
-25 -20 -15
Ile Phe Leu Cys Pro Gly Glu Thr Leu Ser Ala Ser Leu His Trp Asn
-10 -5 1 5
Pro Ile Gly

<210> 1453

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -23..-1

<400> 1453

Met	Leu	Ser	Gln	Ser	Phe	Gln	Lys	Asn	Lys	Thr	Asn	Leu	Leu	Cys	Leu
			-20					-15						-10	
Thr	Phe	Gln	Arg	Cys	Gln	Ser	Tyr	Asn	Trp	Leu	Asn	Ile	Phe	Glu	Ala
		-5					1				5				
Thr	Tyr	Met	Thr	Thr	Leu	Phe	Ile	Ser	Val	Ile	Xaa	Thr	Asn	Phe	Leu
10					15					20					25
Lys	Arg	Tyr	Leu	Leu											
					30										

<210> 1454

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -25..-1

<400> 1454

Met	Phe	Leu	Phe	Cys	Trp	Glu	Lys	Ser	Pro	Arg	Met	Gln	Leu	Leu	Gly
-25					-20					-15					-10
Cys	Met	Val	Leu	Tyr	Asp	Cys	Phe	Ser	Phe	Lys	Lys	Leu	Pro	Gly	
				-5					1				5		

<210> 1455

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -30..-1

<400> 1455

Met	Ser	Phe	Ile	Ser	Val	Ile	Phe	Pro	Leu	Ile	Leu	Leu	Asn	Arg	Phe
-30					-25					-20					-15
Ser	Phe	Val	Cys	Phe	Phe	His	Val	Phe	Tyr	Cys	Val	Phe	Cys	Asn	Val
				-10					-5					1	
Ser	Ser	Leu	Phe	Ser	Tyr	Gln	Phe	Leu	Leu	His	Phe	Cys	Asp	Asp	
		5					10					15			

<210> 1456

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -31..-1

<400> 1456

Met His Glu Tyr Leu Pro Arg Asn Phe His Asp Phe Asn Ser Pro Asn
 -30 -25 -20
 Ser Lys Leu Gly Met Gly Met Gly Phe Phe Ser Gly Val Lys Ser Trp
 -15 -10 -5 1
 Ile Gly Gly

<210> 1457
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -36..-1

<400> 1457
 Met Ala Ser Xaa Val Pro Val Lys Asp Lys Lys Leu Leu Glu Val Lys
 -35 -30 -25
 Leu Gly Glu Leu Pro Ser Trp Ile Leu Met Arg Asp Phe Ser Pro Ser
 -20 -15 -10 -5
 Gly Ile Phe Gly Ala Phe Gln Arg Gly Tyr Tyr Arg Tyr Tyr Asn Lys
 1 5 10
 Tyr Ile Asn Val Lys Lys Gly Ser Ile Ser Gly Ile Thr Met Val Leu
 15 20 25
 Ala Cys Tyr Val Leu Phe Ser Tyr Ser Phe Ser Tyr Lys His Leu Lys
 30 35 40
 His Glu Ser
 45

<210> 1458
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1458
 Met Val Ile Ser Ala Gly Ala Leu Leu Trp Met Ala Trp Asp Gly Gln
 -15 -10 -5
 Leu Ser Arg Pro Glu Gly Ala Arg
 1 5

<210> 1459
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1459

Met Val His Cys Asn Leu Glu Leu Leu Gly Ser Ser Tyr Asn Pro Ile
 -15 -10 -5
 Ser Ala Ser Pro Val Ala Arg Thr Ile Ser Cys Pro Ala Ile Val
 1 5 10

<210> 1460
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -88..-1

<400> 1460

Met Leu Gly Ser Gly Phe Lys Ala Glu Arg Leu Arg Val Asn Leu Arg
 -85 -80 -75
 Leu Val Ile Asn Arg Leu Lys Leu Leu Glu Lys Lys Lys Thr Glu Leu
 -70 -65 -60
 Ala Gln Lys Ala Arg Lys Glu Ile Ala Asp Tyr Leu Ala Ala Gly Lys
 -55 -50 -45
 Asp Glu Arg Ala Arg Ile Arg Val Glu His Ile Ile Arg Glu Asp Tyr
 -40 -35 -30 -25
 Leu Val Glu Ala Met Glu Ile Leu Glu Leu Tyr Cys Asp Leu Leu Leu
 -20 -15 -10
 Ala Arg Phe Gly Leu Ile Gln Ser Met Lys Glu Leu Asp Ser Gly Leu
 -5 1 5
 Ala Glu Ser Val Ser Thr Leu Ile Trp Ala Ala Pro Arg Leu Gln Ser
 10 15 20
 Glu Val Ala Glu Leu Lys Ile Val Ala Asp Gln Leu Cys Pro Ser
 25 30 35

<210> 1461
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -43..-1

<400> 1461

Met Arg Gly Trp Xaa Ala Pro Ala Trp Arg Xaa Leu Xaa Thr Arg Arg
 -40 -35 -30
 Leu Pro Met Gly Ser Arg His Gly Ala Ser Pro Ala Ser Ala Val Trp
 -25 -20 -15
 Cys Leu Xaa Leu Lys Leu Val Pro Ala Leu Cys Ile Ser Gly Leu Thr
 -10 -5 1 5
 Leu Gly Ile Gln Gly Phe
 10

<210> 1462
 <211> 49
 <212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -34..-1

<400> 1462

Met Tyr Phe Lys Thr Thr Thr Xaa Xaa His Ser Ala His Met Leu Leu
 -30 -25 -20
Gln Ile Cys Phe Phe Arg Leu Thr Ile Leu Xaa Phe His Asp Asn Thr
 -15 -10 -5
Trp Gly Ser Thr Ser Phe Ser Xaa Val Ala Ala Met Leu Phe His Tyr
 1 5 10
Arg
15

<210> 1463

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -24..-1

<400> 1463

Met Ser Ser Asn Ile Gln Arg Leu Gly Phe Pro Leu Leu Phe Leu Phe
 -20 -15 -10
Phe Leu Phe Leu Phe Phe Phe Phe Phe Phe
 -5 1

<210> 1464

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -67..-1

<400> 1464

Met Cys Asp Ala Phe Val Gly Thr Trp Lys Leu Val Ser Ser Glu Asn
 -65 -60 -55
Phe Asp Asp Tyr Met Lys Glu Val Gly Val Gly Phe Ala Thr Arg Lys
 -50 -45 -40
Val Ala Gly Met Ala Lys Pro Asn Met Ile Ile Ser Val Asn Gly Asp
 -35 -30 -25 -20
Val Ile Thr Ile Pro His Leu Val Leu Pro Leu Pro Met Leu Pro Thr
 -15 -10 -5
Ser Asn Arg Lys Arg
 1

<210> 1465

<211> 35

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21..-1

<400> 1465
Met Phe Leu Tyr Arg Ser Phe Gly Gly Gln Leu Leu Ser Phe Leu Leu
-20 -15 -10
Gly Thr Tyr Leu Gly Arg Arg Glu Val Ala Gly Pro Gln His Gly Gln
-5 1 5 10
Phe Ser Lys

<210> 1466
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 1466
Met Xaa Gly Phe Phe Cys Leu Cys Ala Phe Asn Ser Phe Leu Leu Ser
-15 -10 -5
Pro Glu Gly
1

<210> 1467
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -66..-1

<400> 1467
Met Ile Phe Pro His Cys Met Tyr Cys Leu Glu Cys Ile Thr Lys Asn
-65 -60 -55
Gly Leu Leu Gly Leu Lys Val Leu Pro Leu Tyr Gly Ile Met Leu Ile
-50 -45 -40 -35
Phe Phe Pro Lys Val Val Tyr Asn Asn Gln Pro Leu His Tyr Lys Ser
-30 -25 -20
Val Met Val Phe Gln Leu Thr Ser Phe Leu Ser Ile Xaa Ile Phe Val
-15 -10 -5
Asn Pro Thr Arg
1

<210> 1468
<211> 79
<212> PRT
<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -54...-1

<400> 1468
 Met Val Ser Met Ser Phe Lys Arg Asn Arg Ser Asp Arg Phe Tyr Ser
 -50 -45 -40
 Thr Arg Cys Cys Gly Cys Cys His Val Arg Xaa Gly Thr Ile Ile Leu
 -35 -30 -25
 Gly Thr Trp Tyr Met Val Val Asn Leu Leu Met Ala Xaa Leu Leu Thr
 -20 -15 -10
 Val Glu Val Thr His Pro Asn Ser Met Pro Ala Val Asn Ile Gln Tyr
 -5 1 5 10
 Glu Val Ile Gly Asn Tyr Tyr Ser Ser Glu Arg Met Ala Asp Asn
 15 20 25

<210> 1469
 <211> 94
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31...-1

<400> 1469
 Met Ala Ala Ala Thr Leu Thr Ser Lys Leu Tyr Ser Leu Leu Phe Arg
 -30 -25 -20
 Arg Thr Ser Thr Phe Ala Leu Thr Ile Xaa Arg Xaa Xaa Ser Cys Ser
 -15 -10 -5 1
 Ser Xaa Ala Pro Ser Ile Lys Ala Arg Thr Leu Ser Thr Thr Thr Ser
 5 10 15
 Thr Arg Gly Ser Cys Gly Asn Thr Ser Ser Thr Ser Met Arg Thr Ser
 20 25 30
 Ser Ser Leu Glu Ala Pro Ile Gln Ala Arg Arg Thr Arg Ser Thr Gln
 35 40 45
 Gln Leu Phe Ala Gln Ser Trp Ser Leu Ser Xaa Lys Met Met
 50 55 60

<210> 1470
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -41...-1

<400> 1470
 Met Lys Ala Ile Lys Lys Ser Leu Thr Glu Glu Glu Tyr Leu Tyr Leu
 -40 -35 -30
 Asp Phe Ser His Gln Thr Glu Gly Cys Ile Phe Pro Leu His Thr Ser
 -25 -20 -15 -10

Val Thr Leu Phe Leu Leu Ser Tyr Cys Asp Cys Lys Ile Phe Lys Ile
 -5 1 5
 Cys Leu Val Val Thr Lys Glu Val Ser Arg Asp Xaa Ser Leu Leu Arg
 10 15 20
 Asp Asp Leu Ile Gln Asp Val Glu Ile Gln Ile Ile Ser Arg Gln Glu
 25 30 35
 Leu Pro Pro
 40

<210> 1471
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1471
 Met Phe Leu Cys Val Cys Tyr Phe Ile Arg Lys Ser Thr Ser Phe Phe
 -10 -5 1
 Ser Ile Ser Ser
 5

<210> 1472
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -45..-1

<400> 1472
 Met Gly Lys Pro Arg Gly Gly Glu Met Leu Glu Val Val Lys Thr Val
 -45 -40 -35 -30
 Ser Thr Phe Thr Leu Gly Gly Trp Lys Gly Thr Ala Pro Val Ser Cys
 -25 -20 -15
 Ala Trp Trp Leu Leu Leu Pro Val Trp Lys Leu Gly Gly Gln Leu Glu
 -10 -5 1
 Arg Arg Lys Asn Pro Lys Glu Tyr Cys Leu Gly Ser Trp Val Trp Leu
 5 10 15
 Ser Pro Gln Leu Ala Pro Arg
 20 25

<210> 1473
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16..-1

<400> 1473
 Met Leu Ile Phe Thr Phe Ile Ser Thr Leu Leu Phe Val Phe Leu Gly
 -15 -10 -5
 Val Val
 1

<210> 1474
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -37..-1

<400> 1474
 Met Glu Val Leu Ser Xaa Pro Asn Ser Phe Gln Thr Gln Ala Leu Trp
 -35 -30 -25
 Asp Ser Leu His Ser Pro Gly Val Pro Gly Ser Gly Leu Cys Ser Met
 -20 -15 -10
 Ala Ala Val Gln Ala Gly Asn Gln Ala Ile Tyr Ser Ala Ser Gly
 -5 1 5 10

<210> 1475
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -42..-1

<400> 1475
 Met Gln Ala Thr Ala Ser Gln Pro Ile His Phe Phe Xaa Ser Ser Pro
 -40 -35 -30
 Gln Ala Pro Arg His His Ser Gly His Pro Val Pro Leu Leu Leu Thr
 -25 -20 -15
 Gln Ala Gly Phe Pro Arg Arg Gly Glu Ala Ala Pro Pro Leu Leu
 -10 -5 1 5

<210> 1476
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 1476
 Met Arg Gly Xaa Asn Xaa Val Phe Arg Val Phe Ser Glu Ser Leu Lys
 -30 -25 -20 -15
 Gly Leu Cys Thr Phe Thr Leu Asn Leu Thr Ala Val Arg Thr Ile Xaa
 -10 -5 1

Leu Asp

<210> 1477

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -32..-1

<400> 1477

Met Gly Arg Ile Ile Pro Met Val Glu Lys Ala Asp Thr Ala Gln Lys
 -30 -25 -20
Phe Gln Gly Arg Leu Thr Ile Ser Thr Xaa Leu Ser Thr Ser Xaa Xaa
 -15 -10 -5
Phe Met Glu Leu Ser Ser Leu Arg
1 5

<210> 1478

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -67..-1

<400> 1478

Met Asn Leu Val Ile Cys Val Leu Leu Leu Ser Ile Trp Lys Asn Asn
 -65 -60 -55
Cys Met Thr Thr Asn Gln Thr Asn Gly Ser Ser Thr Thr Gly Asp Lys
 -50 -45 -40
Pro Val Glu Ser Met Gln Thr Lys Leu Asn Tyr Leu Arg Arg Asn Leu
 -35 -30 -25 -20
Leu Ile Leu Val Gly Ile Ile Ile Met Val Phe Val Phe Ile Cys Phe
 -15 -10 -5
Cys Tyr Leu His Tyr Asn Cys Leu Ser Asp Asp Ala Ser Lys Ala Gly
 1 5 10
Met Val Lys Lys Lys Gly Ile Ala Ala Lys Ser Ser Lys Thr Ser Phe
 15 20 25
Ser Glu Ala Lys Thr Ala Ser Gln Cys Ser Ser Glu Thr Gln Thr Gly
30 35 40 45

<210> 1479

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -28..-1

<400> 1479

Met Gln Ile Ser Ala Ala Ser Leu Asn Phe Ser Ser Lys Asn Gly Ile
 -25 -20 -15
 Phe Phe Ser Leu Thr Leu Ser Gly Cys Lys Phe Ser Lys Leu Leu Cys
 -10 -5 1
 Pro Phe Gly
 5

<210> 1480
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -52..-1

<400> 1480
 Met Ile Phe Glu Pro Val Val Leu Lys Pro Val Phe Leu Asn Ile Phe
 -50 -45 -40
 Phe Phe Ser His His Val Phe Thr Val Phe Phe Ser Gly Ser His Val
 -35 -30 -25
 Asp Ile Leu Ser Arg Thr Val Leu Val Trp Asp Cys Leu Leu Pro Pro
 -20 -15 -10 -5
 Pro Ser Phe Phe Leu Leu Leu Leu Ser Ser Ser Xaa Ser Xaa Leu Leu
 1 5 10
 Leu Xaa Xaa Ser Ser Ser Ser Arg
 15 20

<210> 1481
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1481
 Met Leu Val Pro Leu Leu Ser His Leu Leu Phe Lys Phe Thr Trp Pro
 -10 -5 1
 Lys Xaa Ser Gln
 5

<210> 1482
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -49..-1

<400> 1482
 Met Asp Arg Asn Pro Ser Pro Pro Pro Gly Arg Asp Lys Glu Glu

-45 -40 -35
 Glu Glu Glu Val Ala Gly Gly Asp Cys Ile Gly Ser Thr Val Tyr Ser
 -30 -25 -20
 Lys His Trp Leu Phe Gly Val Leu Ser Gly Leu Xaa Gln Xaa Val Ser
 -15 -10 -5
 Pro Gly Lys His Gln Asn Leu Gly Ser Xaa Xaa Glu Glu Gln Leu Thr
 1 5 10 15
 Glu Leu Asp Glu Arg Asn
 20

<210> 1483
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -23..-1

<400> 1483
 Met Lys Leu Ser Leu Ala Gly Tyr Glu Ile Leu Gly Cys His Phe Phe
 -20 -15 -10
 Ser Leu Ala Leu Leu Asn Thr Gly Pro Gln Tyr Leu Leu Ala Tyr Arg
 -5 1 5
 Val Ser Ala Glu Arg
 10

<210> 1484
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -40..-1

<400> 1484
 Met Ala Thr Ser Val Gly His Arg Cys Leu Gly Leu Leu His Gly Val
 -40 -35 -30 -25
 Ala Pro Trp Arg Ser Ser Leu His Pro Cys Glu Ile Thr Ala Leu Ser
 -20 -15 -10
 Gln Ser Leu Gln Pro Leu Arg Lys Leu Pro Phe Arg Ala Ser Xaa Thr
 -5 1 5

<210> 1485
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -49..-1

<400> 1485

Met Ala Pro Lys Gly Lys Val Gly Thr Arg Gly Lys Lys Gln Ile Phe
 -45 -40 -35
 Glu Glu Asn Arg Glu Thr Leu Lys Phe Tyr Leu Arg Ile Ile Leu Gly
 -30 -25 -20
 Ala Asn Ala Ile Tyr Cys Leu Val Thr Leu Val Phe Phe Tyr Ser Ser
 -15 -10 -5
 Ala Ser Phe Trp Ala Trp Leu Ala Leu Gly Phe Ser Leu Ala Val Tyr
 1 5 10 15
 Gly Ala Ser Tyr His Ser Met Ser Ser Met Ala Arg Ala Ala Phe Ser
 20 25 30
 Glu Asp Gly Ala Leu Met Asp Gly Gly Met Asp Leu Asn Met Glu Gln
 35 40 45
 Gly Met Ala Glu His Leu Lys Asp Val Ile Leu Leu Thr Ala Ile Val
 50 55 60
 Gln Val Leu Ser Cys Phe Ser Leu Tyr Val Trp Ser Phe Trp
 65 70 75

<210> 1486
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -29..-1

<400> 1486
 Met Ala Ala Val Thr Val Thr Val Thr Lys Thr Ala Ala Ala Ala Thr
 -25 -20 -15
 Ala Phe Asn Lys Ala Val Trp Phe Thr Pro Cys Ser Cys Gln Glu Val
 -10 -5 1
 Ser Ser Arg Leu Pro Ala Arg Thr Ala Ala Thr Arg Gln Asp Arg Ala
 5 10 15
 Asp Lys Lys Glu Arg Pro Cys
 20 25

<210> 1487
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1487
 Met Leu Gln Phe Glu Lys Pro Gly Ser Ala Ile Cys Leu Trp His Ser
 -15 -10 -5
 Thr Leu Gly Gly Xaa Gly Gly Arg Glu Ile Xaa Ser Leu Arg Pro Ala
 1 5 10
 Cys Gly
 15

<210> 1488

<211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1488
 Met Leu Ile Ser Tyr Leu Ala Ile Leu Leu Lys Trp Val Ser Asn Ser
 -15 -10 -5
 Lys Ser Phe Leu Val Lys Ala Ser
 1 5

<210> 1489
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -15..-1

<400> 1489
 Met Lys Leu Gln Thr Leu Ala Phe Trp Ser Ala Tyr Val Pro Cys Gln
 -15 -10 -5 1
 Thr Gln Asp Arg Asp Ala Pro Arg Leu Thr Leu Glu Gln Ile Asp Leu
 5 10 15
 Ile Arg Arg Met Cys Ala Ser Tyr Ser Glu Leu Glu Leu Val Thr Ser
 20 25 30
 Ala Lys Ala Leu Asn Asp Thr Gln Lys Leu Ala Cys Leu Ile Gly Val
 35 40 45
 Glu Gly Gly His Ser Leu Asp Asn Ser Leu Ser Arg
 50 55 60

<210> 1490
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1490
 Met Pro Ala Cys Leu Ser Ser Phe Val Ile Pro Ser Leu Leu Ser Pro
 -10 -5 1
 Ser Ser Pro Pro Ser Ile Gly
 5

<210> 1491
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
<221> SIGNAL
<222> -16..-1

<400> 1491
Met Val Val Ser Phe Ala Gly Ser Cys Thr Ile Leu Gly Ala Ser Ser
-15 -10 -5
His Ser Phe Pro Ile Glu Val Ser Leu Phe Pro Val Asp Cys Gly Phe
1 5 10 15
Leu Leu

<210> 1492
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -20..-1

<400> 1492
Met Cys Cys Pro Gly Trp Asn Ala Val Ser Gln Ser Trp Leu Ala Ala
-20 -15 -10 -5
Pro Ser Thr Ser Trp Val Gln Glu Ile Leu Val Leu Gln Pro Pro Gly
1 5 10

<210> 1493
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -54..-1

<400> 1493
Met Gly Glu Ile Lys Val Ser Pro Asp Tyr Asn Trp Phe Arg Gly Thr
-50 -45 -40
Val Pro Leu Lys Xaa Xaa Xaa Val Asp Asp Asp Asp Ser Lys Ile Trp
-35 -30 -25
Ser Xaa Tyr Asp Ala Gly Pro Arg Ser Ile Arg Cys Pro Leu Ile Phe
-20 -15 -10
Leu Xaa Xaa Val Ser Gly Thr Xaa Asp Val Phe Phe Arg Gln Ile Leu
-5 1 5 10
Ala Leu Thr Gly Trp
15

<210> 1494
<211> 45
<212> PRT
<213> Homo sapiens

<220>

<221> SIGNAL
<222> -16..-1

<400> 1494
Met Asp Ala Ser His Ser His Leu Ser Leu Val Gly His Ser Arg Ala
-15 -10 -5
Cys Gly Val Thr Ser Arg Pro His Ala Arg His Arg Gly Arg Cys Leu
1 5 10 15
Gly Pro Cys Ser Arg Ser Gly Pro Arg Leu Cys Ser Ala
20 25

<210> 1495
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -34..-1

<400> 1495
Met Gly Ser Asn Ala Val Val Trp His Thr Lys Pro Ser Leu Leu Asn
-30 -25 -20
His Pro Ala Ser Ser Leu Ile Ser His Asp Pro Trp Pro Arg Gly Ala
-15 -10 -5
Phe Ala Leu Ser Cys Pro Ser Ala Ser Phe Met Leu Phe Ser Ser Leu
1 5 10
Gln Cys Pro Phe Pro Tyr Xaa Xaa Thr Glu Cys Asn Xaa
15 20 25

<210> 1496
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -18..-1

<400> 1496
Met Lys Glu Asp Gly Ala Cys Leu Phe Arg Ala Val Ala Asp Gln Val
-15 -10 -5
Tyr Gly Asp Gln Asp Met His Glu Val Val Arg Lys His Xaa Met Asp
1 5 10
Tyr Leu Met Lys Asn Ala Asp Tyr Phe Ser Xaa Tyr Val Thr Glu Asp
15 20 25 30
Phe Thr Thr Tyr Ile Xaa Arg Lys
35

<210> 1497
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -21...-1

<400> 1497
Met Val His Leu Ile Leu Thr Glu Val Leu Ile Met Ile Xaa Glu Ala
-20 -15 -10
Xaa Asn Val Trp Cys Gly Asp Ser
-5 1

<210> 1498
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -47...-1

<400> 1498
Met Tyr His Asn Leu Phe Ala Leu Leu Leu Ile Asp Ile His Val Val
-45 -40 -35
Leu Val Phe Tyr Cys Leu Asp Leu Leu Met Ile His Ile Phe Tyr Cys
-30 -25 -20
Lys Tyr Cys Leu Xaa Phe Gly Ile Leu Ala Ser Glu Val Tyr Ser Trp
-15 -10 -5 1
Asn Ile Tyr

<210> 1499
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -29...-1

<400> 1499
Met Glu Ser Pro Ser Arg Ala Gly Gly Val Xaa Leu Xaa Lys Ala Ala
-25 -20 -15
Ser Pro Leu Cys Ser Xaa Ser Ser Gly Tyr Cys Xaa Ala Phe Pro Arg
-10 -5 1
Arg Ser Ala Arg Arg His Leu His Pro Gly His Gly
5 10 15

<210> 1500
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -25...-1

<400> 1500

Met Trp Arg Tyr Val Ser Arg Leu Ser Ser Val Pro Leu Ile Ser Leu
-25 -20 -15 -10
Ser Val Leu Met Pro Val Gln His Ser Pro Asp Phe Cys Ser Phe Ile
-5 1 5
Val Ser Thr Val Ile Pro Trp Phe Pro Trp Gly Ile Gly Ser Arg Thr
10 15 20
Leu Met Asp Ile Lys Ile Leu Gly Cys Ser Ser Pro Gly
25 30 35

<210> 1501

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -30..-1

<400> 1501

Met Asp Val Ser Cys Lys Ile Leu Tyr Asn Val Ile Glu Lys Phe Cys
-30 -25 -20 -15
Asn Asn Leu Leu Lys Leu Ser Ser His Ser Pro Thr Cys Ala Cys Lys
-10 -5 1
Leu

<210> 1502

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -20..-1

<400> 1502

Met Ile Phe Lys Asp Val Phe Ser His Leu Ser Gly Ser Ser Leu Gln
-20 -15 -10 -5
Leu Cys Val Ala Gln Phe Leu Xaa Leu Ser Ala Val Asp
1 5

<210> 1503

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -44..-1

<400> 1503

Met Lys Leu Thr Lys Asn Ile Leu Xaa Val Ile Ile Gly Cys Phe Lys
-40 -35 -30
Leu Ile Ala Tyr Lys Asn Ser Val Leu Tyr Phe Tyr Ser Asn Phe Ser

-25 -20 -15
 Phe Ser Phe Leu Phe Phe Phe Phe Leu Ser Phe Phe Phe Phe Phe
 -10 -5 1
 Phe Phe
 5

<210> 1504
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -87..-1

<400> 1504
 Met Asn Asn Gln Lys Gln Xaa Xaa Pro Thr Leu Ser Gly Gln Arg Phe
 -85 -80 -75
 Lys Thr Arg Lys Arg Asp Glu Lys Glu Arg Phe Asp Pro Thr Gln Phe
 -70 -65 -60
 Gln Asp Cys Ile Ile Gln Gly Leu Thr Glu Thr Gly Thr Asp Leu Glu
 -55 -50 -45 -40
 Ala Val Ala Lys Phe Leu Asp Ala Ser Gly Ala Lys Leu Asp Tyr Arg
 -35 -30 -25
 Arg Tyr Ala Glu Thr Leu Phe Asp Ile Leu Val Ala Gly Xaa Met Leu
 -20 -15 -10
 Ala Pro Gly Gly Thr Leu Ala Asp Asp Met Met Xaa
 -5 1 5

<210> 1505
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1505
 Met Ala Asp Ser Leu Glu Ile Lys Leu Pro Phe Leu Pro Phe Ala Gln
 -15 -10 -5
 Gln Ile Asp Ile Lys Ser Cys Phe Tyr Phe Phe Phe Xaa Asn Xaa Xaa
 1 5 10 15
 Phe Pro Arg

<210> 1506
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -35..-1

<400> 1506

Met Asp Arg Lys Trp Thr Trp Lys Arg Gly Gln Arg Ser His Leu Glu
-35 -30 -25 -20
Ser Gly Gln Ala Ala Pro Ala Thr Ala Ala Thr Ala Ala Ser Ala
-15 -10 -5
Thr Thr Gly Ala Ser Val Trp Arg Ser Thr Met Gly Xaa Leu Cys Asp
1 5 10
Cys Thr Xaa Xaa Pro Tyr Glu Gly Pro Phe Cys Lys Lys Glu Val Ser
15 20 25
Ala Val Phe Glu Ala Gly Thr Ser Val Thr Tyr Met Phe Gln Glu Pro
30 35 40 45
Tyr Pro Val Thr Lys Asn Ile Ser Leu Ser Ser Ser Ala Ile Tyr Thr
50 55 60
Asp Ser Ala Pro Ser Lys Glu Asn Ile Ala Leu Ser Phe Val Thr Thr
65 70 75
Gln Ala Pro
80

<210> 1507

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -43..-1

<400> 1507

Met Ala Pro Gln Met Tyr Glu Phe His Leu Pro Leu Ser Pro Glu Glu
-40 -35 -30
Leu Leu Lys Ser Gly Gly Val Asn Gln Tyr Val Val Gln Glu Val Leu
-25 -20 -15
Ser Ile Lys His Leu Pro Pro Gln Leu Arg Ala Phe Gln Ala Ala Phe
-10 -5 1 5
Arg Ala Gln Gly Pro Leu Ala Met Leu Gln His Phe Asp Thr Ile Tyr
10 15 20
Ser Ile Leu His His Phe Arg Ser Ile Asp
25 30

<210> 1508

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -15..-1

<400> 1508

Met Ala Ala Val Gln Val Val Gly Ser Trp Pro Ser Val Gln Pro Arg
-15 -10 -5 1
Glu Ala Pro Arg Glu Ala Ile Pro Glu Arg Gly Asn Gly Phe Arg Leu
5 10 15
Leu Ser Ala Arg Leu Cys Ala Leu Arg Pro Asp Asp Ser Ser Ser Ala

20 25 30
 Arg Thr Glu Ile His Leu Xaa Phe Asp Gln Leu Ile Ser Glu Asn Tyr
 35 40 45
 Ser Glu Gly Ser Gly Val Ala Pro Glu Asp Val Ser Ala Leu Leu Val
 50 55 60 65
 Gln Ala Cys Gly

<210> 1509
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -30..-1

<400> 1509
 Met Phe His Gly Cys His Ile Leu Ser Phe Leu Arg Ile Ser Thr Arg
 -30 -25 -20 -15
 Gly Phe Leu Phe Phe Leu Gln Phe Ser Phe Pro Leu Tyr Tyr Leu Phe
 -10 -5 1
 Arg Xaa Xaa Phe Pro Gln Ser Phe Met Leu Glu Ala Phe Val Arg Cys
 5 10 15

<210> 1510
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -26..-1

<400> 1510
 Met Tyr Arg His Ser Lys Gln Arg Asn Asn Val Pro Cys Leu Val Leu
 -25 -20 -15
 Tyr Ala Pro Trp Val Pro Leu Leu Leu Ala Phe Trp Gly Trp Trp
 -10 -5 1 5
 Leu Leu Glu Gln Gly Leu Phe Phe Phe Phe
 10 15

<210> 1511
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -50..-1

<400> 1511
 Met Gly Asp Pro Ser Lys Gln Asp Ile Leu Thr Ile Phe Lys Arg Leu
 -50 -45 -40 -35
 Arg Ser Val Pro Thr Asn Lys Val Cys Phe Asp Cys Gly Ala Lys Asn

				-30					-25					-20			
Pro	Ser	Trp	Ala	Ser	Ile	Thr	Tyr	Gly	Val	Phe	Leu	Cys	Ile	Asp	Cys		
			-15					-10					-5				
Ser	Gly	Ser	His	Arg	Ser	Leu	Gly	Val	His	Leu	Ser	Phe	Ile	Arg	Ser		
	1					5					10						
Thr	Glu	Leu	Asp	Ser	Asn	Trp	Ser	Trp	Phe	Gln	Leu	Arg	Cys	Met	Gln		
15					20					25					30		
Val	Gly	Gly	Asn	Ala	Ser	Ala	Ser	Ser	Phe	Phe	His	Gln	His	Gly	Cys		
			35						40					45			
Ser	Thr	Asn	Asp	Thr	Asn	Ala	Lys	Tyr	Asn	Ser	Arg	Ala	Ala	Gln	Leu		
		50						55					60				
Tyr	Arg	Glu	Lys	Ile	Lys	Ser	Leu	Ala	Ser	Gln	Ala	Thr	Arg	Lys	His		
	65						70					75					
Gly	Thr	Asp	Leu	Trp	Leu	Asp	Ser	Cys									
	80					85											

<210> 1512
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -22..-1

Met	Pro	Leu	Pro	Pro	Asn	Gln	Ser	Pro	Leu	Leu	Leu	His	Leu	Val	Phe		
		-20				-15						-10					
His	Gln	Arg	Thr	Leu	Ile	Ser	Leu	Pro	Pro								
	-5					1											

<210> 1513
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

Met	Phe	Leu	Thr	Phe	Phe	Phe	Cys	Thr	Gln	Val	His	Gly	Pro	Ser	Ile		
		-10					-5					1					
Leu	Asp	Ser	Pro	Ala													
	5																

<210> 1514
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -14..-1

<400> 1514

Met Val Thr Leu Trp Ile Phe Gln Phe Phe Leu Cys Leu Thr Cys Lys
 -10 -5 1
Ala Tyr Asn Leu Arg Asn Cys Asn Asp Gly Lys Gly Xaa Xaa Ser Xaa
 5 10 15
Val Leu Gly Leu Glu Gln Xaa Leu Pro Glu Ser Ala Gly Met Val Xaa
 20 25 30
Phe Leu Gly Leu Lys His Arg Trp
35 40

<210> 1515

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -14...-1

<400> 1515

Met Val Leu Trp Ala Gly Pro Xaa Val Pro Leu Leu Cys Ala Ala Xaa
 -10 -5 1
Gly Leu Gly Ala Leu His Pro Arg Cys Ser Ser Gln Gly Leu Arg Leu
 5 10 15
Ala Xaa Ser Glu Ala
 20

<210> 1516

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -41...-1

<400> 1516

Met Asn Trp Arg Arg Lys Ser Val Ile Gly Leu Ser Phe Asp Phe Val
 -40 -35 -30
Ala Leu Asn Leu Thr Gly Phe Val Ala Tyr Ser Val Phe Asn Ile Gly
-25 -20 -15 -10
Leu Leu Trp Val Pro Xaa Xaa Xaa Gly Ala Val Ser Pro Gln Ile Pro
 -5 1 5
Gln Arg Ser Glu Pro Arg Glu Gln Gln Arg Arg Leu Leu
 10 15 20

<210> 1517

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1517

Met Glu Pro Leu Ala Ala Tyr Pro Leu Lys Cys Ser Gly Pro Arg Ala
1 5 10 15

Lys Val Phe Ala Val Leu Leu Ser Ile Val Leu Cys Thr Val Thr Leu
 20 25 30
 Phe Leu Leu Gln Leu Lys Xaa Leu Lys Pro Lys Ile Asn Ser Phe Tyr
 35 40 45
 Ala Phe Glu Val Lys Asp Ala Lys Gly Arg Thr Val Ser Leu Glu Lys
 50 55 60
 Tyr Lys Gly Lys Val Ser Leu Val Val Asn Val Ala Ser Asp Cys Gln
 65 70 75 80
 Leu Thr Asp Arg Asn Tyr Leu Gly Leu Lys Glu Leu His Lys Glu Phe
 85 90 95
 Gly Pro Ser His Phe Ser Val Leu Ala Phe Pro Cys Asn Gln Phe Gly
 100 105 110
 Glu Ser Glu Pro Arg Pro Ser Lys Glu Val Glu Ser Phe Ala Arg Lys
 115 120 125
 Asn Tyr Gly Val Thr Phe Pro Ile Phe His Lys Ile Lys Ile Leu Gly
 130 135 140
 Ser Glu Gly Glu Leu
 145

<210> 1518

<211> 132

<212> PRT

<213> Homo sapiens

<400> 1518

Met Asn Glu Ala Met Ala Thr Asp Ser Pro Arg Arg Pro Ser Arg Cys
 1 5 10 15
 Thr Gly Gly Val Val Val Arg Pro Gln Ala Val Thr Glu Gln Ser Tyr
 20 25 30
 Met Glu Ser Val Val Thr Phe Leu Gln Asp Val Val Pro Gln Ala Tyr
 35 40 45
 Ser Gly Thr Pro Leu Thr Glu Glu Lys Glu Lys Ile Val Trp Val Arg
 50 55 60
 Phe Glu Asn Ala Asp Leu Asn Asp Thr Ser Arg Asn Leu Glu Phe His
 65 70 75 80
 Glu Ile His Ser Thr Gly Ser Glu Pro Pro Leu Leu Ile Met Ile Gly
 85 90 95
 Tyr Ser Asp Gly Met Gln Val Trp Ser Ile Pro Ile Xaa Gly Glu Xaa
 100 105 110
 Lys Ser Ser Ser Leu Phe Asp Met Ala Gln Phe Glu Arg Leu Glu Ser
 115 120 125
 Cys Leu Leu His
 130

<210> 1519

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1519

Met Pro Val Thr Arg Ala Ser Gln Pro Arg Lys Pro Ser Ser Ala Gln
 1 5 10 15
 Gln Gln Lys Ala Ala Leu Leu Xaa Asn Asn Thr Ala Leu Gln Ser Val
 20 25 30
 Ser Leu Arg Ser Lys Thr Thr Ile Arg Glu Arg Pro Ser Ser
 35 40 45

<210> 1520

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1520

```
Met Asn Gly Phe Gly Arg Leu Glu His Phe Ser Gly Ala Val Tyr Glu
1          5          10          15
Gly Gln Phe Lys Asp Asn Met Phe His Gly Leu Gly Thr Tyr Thr Phe
          20          25          30
Pro Asn Gly Ala Lys Tyr Thr Gly Ile
          35          40
```

<210> 1521

<211> 131

<212> PRT

<213> Homo sapiens

<400> 1521

```
Met Ala Lys Ile Ala Lys Thr His Glu Asp Ile Glu Ala Gln Ile Arg
1          5          10          15
Glu Ile Gln Gly Lys Lys Ala Ala Leu Asp Glu Ala Gln Gly Val Gly
          20          25          30
Leu Asp Ser Thr Gly Tyr Tyr Asp Gln Glu Ile Tyr Gly Gly Ser Asp
          35          40          45
Ser Arg Phe Ala Gly Tyr Val Thr Ser Ile Ala Ala Thr Glu Leu Glu
          50          55          60
Asp Asp Asp Asp Asp Tyr Ser Ser Ser Thr Ser Leu Leu Gly Gln Lys
65          70          75          80
Lys Pro Gly Tyr His Ala Pro Val Ala Leu Leu Asn Asp Ile Pro Gln
          85          90          95
Ser Thr Glu Gln Tyr Asp Pro Phe Ala Glu His Arg Pro Pro Lys Ile
          100          105          110
Ala Asp Arg Glu Asp Glu Tyr Lys Lys His Arg Arg Thr Met Ile Ile
          115          120          125
Ser Gln Ser
          130
```

<210> 1522

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1522

```
Met Pro Ile Asn Lys Ser Glu Lys Pro Glu Ser Cys Asp Asn Val Lys
1          5          10          15
Val Val Val Arg Cys Arg Pro Leu Asn Glu Arg Glu Lys Ser Met Cys
          20          25          30
Tyr Lys Gln Ala Val Ser Val Asp Glu Met Arg Gly Thr Ile Thr Val
          35          40          45
His Lys Thr Asp Ser Ser Asn Glu Pro Pro Lys Thr Phe Thr Phe Asp
          50          55          60
Thr Val Phe Gly Pro Glu Ser Lys Gln Leu Asp Val Tyr Asn Leu Thr
65          70          75          80
Ala Arg
```

<210> 1523
 <211> 40
 <212> PRT
 <213> Homo sapiens
 <400> 1523
 Met Pro Asn Arg Gly Gly Asn Gly Leu Ala Pro Gly Glu Asp Arg Phe
 1 5 10 15
 Lys Pro Val Val Pro Trp Pro His Val Glu Gly Val Glu Val Asp Leu
 20 25 30
 Glu Ser Ile Arg Arg Ile Asn Lys
 35 40

<210> 1524
 <211> 35
 <212> PRT
 <213> Homo sapiens
 <400> 1524
 Met Ser Leu Trp Leu Cys Phe Gln Cys Pro Leu Gly Val Ser Lys Ser
 1 5 10 15
 Asn Lys Lys Arg Ile Asn Leu Cys Asn Gly Phe Trp Asn Glu Lys Ile
 20 25 30
 Lys Asn Arg
 35

<210> 1525
 <211> 47
 <212> PRT
 <213> Homo sapiens
 <400> 1525
 Met Gly Thr His Val Phe Ala Ile Asn Lys Arg Thr Tyr Val Ile Ser
 1 5 10 15
 Arg Asp Arg Glu Leu Ser Thr Ala Lys Pro Xaa Cys Ser Ser Leu Leu
 20 25 30
 Thr Ala Pro Val Leu Cys Tyr Trp Arg Ala Cys Pro Leu Gln Thr
 35 40 45

<210> 1526
 <211> 56
 <212> PRT
 <213> Homo sapiens
 <400> 1526
 Met Phe Cys Phe Leu Phe Ser Trp Trp Leu Arg Gly Gly Leu His Val
 1 5 10 15
 Leu Leu Asn Thr Cys Leu Tyr Val Pro Tyr Gly Tyr Leu Ser Leu Ile
 20 25 30
 Cys Leu Leu Cys Leu Trp Tyr Leu Asn Leu Tyr Lys Phe Ser Ile Phe
 35 40 45
 Phe Ser Phe Leu Ser Phe Phe Phe
 50 55

<210> 1527
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 1527

Met	Thr	Thr	Thr	Ser	Lys	His	Ala	Ala	Tyr	Cys	Leu	Lys	Gly	Ser	Cys
1				5					10					15	
Leu	Xaa	Gln	Ala	Arg	Val	Gln	Trp	Pro	Leu	Lys	Xaa	Thr	Thr	Ala	Ser
			20					25					30		
Asn	Phe	Trp	Ala	Gln	Val	Ile	Leu	Ser	Leu	Pro	Val	Val	Phe	Val	Asp
		35					40					45			
Cys	Leu	Met	Glu	Xaa	His	Gly									
	50					55									

<210> 1528

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1528

Met	Glu	Gly	Gly	Gly	Ile	Pro	Leu	Glu	Thr	Leu	Lys	Glu	Glu	Ser
1				5				10					15	
Gln	Ser	Arg	His	Val	Leu	Pro	Ala	Ser	Phe	Glu	Val	Asn	Ser	Leu
			20					25				30		Gln
Lys	Ser	Asn	Trp	Gly	Phe	Leu	Leu	Thr	Gly	Leu	Val	Gly	Gly	Thr
		35				40						45		Leu
Val	Ala	Val	Tyr	Ala	Val	Ala	Thr	Pro	Phe	Val	Thr	Pro	Ala	Leu
	50					55					60			Arg
Lys	Val	Cys	Leu	Pro	Phe	Val	Pro	Ala	Thr	Met	Lys	Gln	Ile	Glu
65					70					75				80
Val	Val	Lys	Met	Leu	Arg	Cys	Arg	Arg	Gly	Ser	Leu	Val	Asp	Ile
			85						90					95
Ser	Gly	Asp	Gly	Arg	Ile	Val	Ile	Ala	Ala	Ala	Lys	Lys	Gly	Phe
			100					105					110	Xaa
Ala	Val	Gly	Tyr	Glu	Leu	Asn	Pro	Trp						
		115					120							

<210> 1529

<211> 154

<212> PRT

<213> Homo sapiens

<400> 1529

Met	Ala	Thr	Pro	Leu	Ala	Val	Asn	Ser	Ala	Ala	Ser	Leu	Trp	Gly	Pro
1				5					10					15	
Tyr	Lys	Asp	Ile	Trp	His	Lys	Val	Gly	Asn	Ala	Leu	Trp	Arg	Arg	Gln
			20					25					30		
Pro	Glu	Ala	Val	Xaa	Leu	Leu	Asp	Lys	Ile	Leu	Lys	Lys	His	Lys	Pro
		35					40					45			
Asp	Phe	Ile	Ser	Leu	Phe	Lys	Asn	Pro	Pro	Lys	Asn	Val	Gln	Gln	His
	50					55					60				
Glu	Lys	Val	Gln	Lys	Ala	Ser	Thr	Glu	Gly	Val	Ala	Ile	Gln	Gly	Gln
65					70					75					80
Gln	Gly	Thr	Arg	Leu	Leu	Pro	Glu	Gln	Leu	Ile	Lys	Glu	Ala	Phe	Ile
			85					90						95	
Leu	Ser	Asp	Leu	Phe	Asp	Ile	Gly	Glu	Leu	Ala	Ala	Val	Glu	Leu	Leu
			100					105					110		
Leu	Ala	Gly	Glu	His	Gln	Gln	Pro	His	Phe	Pro	Gly	Leu	Thr	Arg	Gly
		115					120						125		
Leu	Val	Ala	Val	Leu	Leu	Tyr	Trp	Asp	Gly	Lys	Arg	Cys	Ile	Ala	Asn

130 135 140
 Ser Leu Lys Ala Leu Ile Gln Ser Arg Arg
 145 150

<210> 1530
 <211> 125
 <212> PRT
 <213> Homo sapiens
 <400> 1530

Met Asn Gly Arg Ala Asp Phe Arg Glu Pro Asn Ala Glu Val Pro Arg
 1 5 10 15
 Pro Ile Pro His Ile Gly Pro Asp Tyr Ile Pro Thr Glu Glu Glu Arg
 20 25 30
 Arg Val Phe Ala Glu Cys Asn Asp Glu Ser Phe Trp Phe Arg Ser Val
 35 40 45
 Pro Leu Ala Ala Thr Ser Met Leu Ile Thr Gln Gly Leu Ile Ser Lys
 50 55 60
 Gly Ile Leu Ser Ser His Pro Lys Tyr Gly Ser Ile Pro Lys Leu Ile
 65 70 75 80
 Leu Ala Cys Ile Met Gly Tyr Phe Ala Gly Lys Leu Ser Tyr Val Lys
 85 90 95
 Thr Cys Gln Glu Lys Phe Lys Lys Leu Glu Asn Ser Pro Leu Gly Glu
 100 105 110
 Ala Leu Arg Ser Gly Gln Ala Arg Arg Ser Ser Pro Pro
 115 120 125

<210> 1531
 <211> 35
 <212> PRT
 <213> Homo sapiens
 <400> 1531

Met His Met Ser Lys Leu Ile Asn Leu Tyr Thr Ser Xaa Met Cys Asn
 1 5 10 15
 Leu Leu Xaa Ile His Leu Xaa Xaa Ile Ser Cys Leu Xaa Asn Asn Lys
 20 25 30
 Xaa Thr Leu
 35

<210> 1532
 <211> 111
 <212> PRT
 <213> Homo sapiens
 <400> 1532

Met Tyr Gly Lys Gly Lys Ser Asn Ser Ser Ala Val Pro Ser Asp Ser
 1 5 10 15
 Gln Ala Arg Glu Lys Leu Ala Leu Tyr Val Tyr Glu Tyr Leu Leu His
 20 25 30
 Val Gly Ala Gln Lys Ser Ala Gln Thr Phe Leu Ser Glu Ile Arg Trp
 35 40 45
 Glu Lys Asn Ile Thr Leu Gly Glu Pro Pro Gly Phe Leu His Ser Trp
 50 55 60
 Trp Cys Val Phe Trp Asp Leu Tyr Cys Ala Ala Pro Glu Arg Arg Glu
 65 70 75 80
 Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr Ser Ala

85 90 95
 Ala Ala Ala Pro Ser Pro Val Leu Gly Asn Ile Pro Pro Gly Asp
 100 105 110

<210> 1533

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1533

Met Asn Pro Glu Tyr Asp Tyr Leu Phe Lys Leu Leu Leu Ile Gly Asp
 1 5 10 15
 Ser Gly Val Gly Lys Ser Cys Leu Leu Leu Arg Phe Ala Asp Asp Thr
 20 25 30
 Tyr Thr Glu Ser Tyr Ile Ser Thr Ile Gly Val Asp Phe Lys Ile Arg
 35 40 45
 Thr Ile Glu Leu Asp Gly Lys Thr Ile Lys Leu Gln Ile Trp Asp Thr
 50 55 60
 Ala Gly Gln Glu Arg Phe Arg Thr Ile Thr Ser Ser Tyr Tyr Arg Gly
 65 70 75 80
 Ala His Gly Ile Ile Val Val Tyr Asp Val Thr Asp Gln Glu Ser Tyr
 85 90 95
 Ala Xaa Val Lys Gln Trp Leu Gln Glu Ile Asp
 100 105

<210> 1534

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1534

Met Asn Ser Lys Ala Xaa Lys Ser Ser Thr Ala Asn Gln Gly Asp Gly
 1 5 10 15
 Asp Glu Glu Xaa Val Gly Arg Xaa Glu Xaa Ser Val Gly Glu Phe
 20 25 30

<210> 1535

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1535

Met Leu Tyr Ser Thr Leu Lys His Thr Leu Gln Tyr Val Ile Ile Asn
 1 5 10 15
 Cys Gly His His Ala Val Gln Lys Ile Ser Lys Thr Tyr Ser Ser Cys
 20 25 30
 Leu Thr Glu Xaa Leu Tyr Pro Leu Pro Asn Ile Ser Pro Ile Pro Pro
 35 40 45

<210> 1536

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1536

Met Asn Asp Glu Val Asn Pro Arg Arg Val Leu Glu Leu Met Gly Ser
 1 5 10 15
 Glu Val Thr Gln Ile Ala Cys Gly Arg Gln His Thr Leu Xaa Phe Val

20 25 30
 Pro Ser Ser Gly Leu Ile Tyr Ala Phe Gly Cys Gly Ala Arg Gly Gln
 35 40 45
 Leu Gly Thr Gly His Thr Cys Asn Val Lys Cys Pro Ser Pro Val Lys
 50 55 60
 Gly Tyr Trp Ala Ala His Ser Gly Gln Leu Ser Ala Arg Ala Asp Arg
 65 70 75 80
 Phe Lys Tyr His Ile Val Lys Gln Ile Phe Ser Gly Gly Asp
 85 90

<210> 1537

<211> 22

<212> PRT

<213> Homo sapiens

<400> 1537

Met Pro Val Arg Thr Ile Thr Arg Gln Asn Gly Ser Val Pro Trp Gly
 1 5 10 15
 Pro Asn His Cys Asp Lys
 20

<210> 1538

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1538

Met Gly Asp Asn Pro Phe Gln Pro Lys Ser Asn Ser Lys Met Ala Glu
 1 5 10 15
 Leu Phe Met Glu Cys Glu Glu Glu Glu Leu Glu Pro Trp Gln Lys Lys
 20 25 30
 Val Lys Glu Val Glu Asp Asp Asp Asp Glu Pro Ile Phe Val Gly
 35 40 45
 Glu Ile Ser Ser Ser Lys Pro Ala Ile Ser Asn Ile Leu Asn Arg Val
 50 55 60
 Asn Pro Ser Ser Tyr Ser Arg Gly Leu Lys Asn Gly Ala Leu Ser Arg
 65 70 75 80
 Gly Ile Thr Ala Ala Phe Lys Pro Thr Ser Gln His Tyr Thr
 85 90

<210> 1539

<211> 67

<212> PRT

<213> Homo sapiens

<400> 1539

Met Val Thr Gln Ala Gln Gln Glu Ile Thr Val Gln Gln Leu Met Ala
 1 5 10 15
 His Leu Asp Ala Ile Arg Lys Asp Met Val Ile Leu Glu Lys Ser Glu
 20 25 30
 Phe Ala Asn Leu Arg Ala Glu Asn Glu Lys Met Lys Ile Glu Leu Asp
 35 40 45
 Gln Val Lys Gln Gln Leu Met His Glu Thr Ser Xaa Ile Arg Ala Asp
 50 55 60
 Asn Lys Leu
 65

<210> 1540
 <211> 38
 <212> PRT
 <213> Homo sapiens
 <400> 1540
 Met Lys Phe Gly Asn Val Arg Met Xaa Ser Ile Gln Ile Phe Ile Val
 1 5 10 15
 Ser Ile Trp Ser Phe Phe Leu Phe Tyr Gly Lys Tyr Thr Tyr Ile Arg
 20 25 30
 Leu Ile Leu Ser Gln Gly
 35

<210> 1541
 <211> 35
 <212> PRT
 <213> Homo sapiens
 <400> 1541
 Met Thr Phe Asp Leu Ser Val Phe Ser Thr Leu Ser Asp His Phe Tyr
 1 5 10 15
 Ser Ser Ser Leu Ser Asn Thr Ala Arg Asn Leu Tyr Ile Cys Leu Phe
 20 25 30
 His Ile Thr
 35

<210> 1542
 <211> 28
 <212> PRT
 <213> Homo sapiens
 <400> 1542
 Met Gly Arg Trp Ala Leu Asp Val Ala Phe Leu Trp Lys Ala Val Leu
 1 5 10 15
 Thr Leu Gly Leu Val Leu Leu Tyr Tyr Cys Phe Ser
 20 25

<210> 1543
 <211> 128
 <212> PRT
 <213> Homo sapiens
 <400> 1543
 Met Ala Leu His Val Pro Lys Ala Pro Gly Phe Ala Gln Met Leu Lys
 1 5 10 15
 Glu Gly Ala Lys His Phe Ser Gly Leu Glu Glu Ala Val Tyr Arg Asn
 20 25 30
 Ile Gln Ala Cys Lys Glu Leu Ala Gln Thr Thr Arg Thr Ala Tyr Gly
 35 40 45
 Pro Asn Gly Met Asn Lys Met Val Ile Asn His Leu Glu Lys Leu Phe
 50 55 60
 Val Thr Asn Asp Ala Ala Thr Ile Leu Arg Glu Leu Glu Val Gln His
 65 70 75 80
 Pro Ala Ala Lys Met Ile Val Met Ala Ser His Met Gln Glu Gln Glu
 85 90 95
 Val Gly Asp Gly Thr Asn Phe Val Leu Val Phe Ala Gly Ala Leu Leu
 100 105 110
 Glu Leu Ala Glu Glu Leu Leu Arg Ile Gly Leu Ser Val Ser Glu Val

115

120

125

<210> 1544

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1544

Met Ala Asn Arg Tyr Thr Met Asp Leu Thr Ala Ile Tyr Glu Ser Leu
 1 5 10 15
 Leu Ser Leu Ser Pro Asp Val Thr Leu Thr His Phe Ala His Cys Asn
 20 25 30
 Leu

<210> 1545

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1545

Met Met Glu Glu Ser Gly Ile Glu Thr Thr Pro Pro Gly Thr Pro Pro
 1 5 10 15
 Pro Asn Pro Ala Gly Leu Ala Ala Thr Ala Met Ser Ser Thr Pro Val
 20 25 30
 Pro Leu Ala Ala Thr Ser Ser Phe Ser Ser Pro Asn Val Ser Ser Met
 35 40 45
 Glu Ser Phe Pro Pro Leu Ala Tyr Ser Thr Pro Gln Pro Pro Leu Pro
 50 55 60
 Pro Val Arg Pro
 65

<210> 1546

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1546

Met Leu Cys Leu Thr Glu Gly Ala Lys Asp Glu Cys Asn Val Val Glu
 1 5 10 15
 Val Val Ala Arg Asn His Asp His Gln Glu Ile Ala Val Pro Val Ala
 20 25 30
 Xaa Leu Lys Leu Ser Cys Gln Pro Met Leu Ser Leu Asp Asp Phe Gln
 35 40 45
 Leu Gln
 50

<210> 1547

<211> 139

<212> PRT

<213> Homo sapiens

<400> 1547

Met Pro Thr Val Ser Val Lys Arg Asp Leu Leu Phe Gln Ala Leu Gly
 1 5 10 15
 Arg Thr Tyr Thr Asp Glu Glu Phe Asp Glu Leu Cys Phe Glu Phe Gly
 20 25 30
 Leu Glu Leu Asp Glu Ile Thr Ser Glu Lys Glu Ile Ile Ser Lys Glu
 35 40 45

Gln Gly Asn Val Lys Ala Ala Gly Ala Ser Asp Val Val Leu Tyr Lys
50 55 60
Ile Asp Val Pro Ala Asn Arg Tyr Asp Leu Leu Cys Leu Glu Gly Leu
65 70 75 80
Val Arg Gly Leu Gln Val Phe Lys Glu Arg Ile Lys Ala Pro Val Tyr
85 90 95
Lys Arg Val Met Pro Asp Gly Lys Ile Gln Lys Leu Ile Ile Thr Glu
100 105 110
Glu Thr Ala Lys Ile Arg Pro Phe Ala Val Ala Ala Val Leu Arg Asn
115 120 125
Ile Lys Phe Thr Lys Asp Arg Tyr Asp Ser Phe
130 135

<210> 1548

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1548

Met Phe Ser Glu Glu Leu Trp Leu Glu Asn Glu Lys Lys Cys Ala Val
1 5 10 15
Val Arg Lys Ser Lys Gln Gly Arg Lys Arg Gln Glu Leu Leu Ala Val
20 25 30
Ala Phe Gly Val Lys Val His Thr Phe Arg Gly Pro His Trp Cys Glu
35 40 45
Tyr Cys Ala Asn Phe Met Trp Gly Leu Ile Ala Gln Gly Val Arg Cys
50 55 60
Ser Asp Cys Gly Leu Asn Val
65 70

<210> 1549

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1549

Met Val Val Phe Met Thr Tyr Val Thr Leu Pro Phe Phe Phe Ser Phe
1 5 10 15
Ile Ser Ser Leu Leu Ser Phe Phe Phe Leu Phe Leu Leu
20 25

<210> 1550

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1550

Met Gln Glu Leu Phe Leu Lys Phe Val Asp Glu Asn Trp Glu Gly Ser
1 5 10 15
Leu Lys Ser Lys Tyr Val Arg Gly Ser Asp Pro Val Leu Lys Leu Leu
20 25 30
Asp Asp Asn Gly Asn Ile Ala Glu Glu Leu Ser Ile Leu Lys Trp Thr
35 40 45
Gln Thr
50

<210> 1551

<211> 68
 <212> PRT
 <213> Homo sapiens
 <400> 1551
 Met Pro Lys Thr Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr
 1 5 10 15
 Leu Trp Gly Leu Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr
 20 25 30
 Glu Glu Val Lys Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys
 35 40 45
 Thr Ser Lys Lys Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu
 50 55 60
 Ala Lys Asp Gly
 65

<210> 1552
 <211> 52
 <212> PRT
 <213> Homo sapiens
 <400> 1552
 Met Leu Glu Glu Leu Lys Ala Gly Gln Glu Leu Glu Glu Gln Thr Ile
 1 5 10 15
 Ser His Gly Phe Ala Arg Gly Val Arg Arg Gly Val Ala Ile Val Gly
 20 25 30
 Lys Gly Leu Glu Trp His Gly Cys Trp Trp Met Cys His Gly Tyr Arg
 35 40 45
 Ile Leu Ala Gly
 50

<210> 1553
 <211> 37
 <212> PRT
 <213> Homo sapiens
 <400> 1553
 Met Arg Leu Gly Ser Ser Lys Leu Lys Ser Asn Gln Leu Leu Gln Glu
 1 5 10 15
 Ala Leu Ser Arg Met Lys Trp Gly Gly Pro Ser Phe Gln Pro Arg Lys
 20 25 30
 Pro Thr Val Pro Gly
 35

<210> 1554
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -13..-1

<400> 1554
 Met Leu Leu Leu Leu Leu Leu Pro Leu Ala Leu Gly Asp Lys Gly
 -10 -5 1
 Asp Gly Gly Arg Gln Thr Ile Trp Gly Trp Leu Leu Ala Ala Ser Ala

5 10 15
 Gly Ala Gly Asp Gly Ala Gly Gly Pro Val Cys Pro Cys Ala Leu Leu
 20 25 30 35
 Leu Leu Leu Pro Pro Gly Trp Leu Asp
 40

<210> 1555
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -18..-1

<400> 1555
 Met Lys Leu Leu Met Val Leu Met Leu Ala Ala Leu Leu Leu His Cys
 -15 -10 -5
 Tyr Ala Asp Ser Gly Cys Lys Leu Leu Glu Asp Met Val Glu Lys Thr
 1 5 10
 Ile Asn Ser Asp Ile Ser Ile Pro Glu Tyr Lys Glu Leu Leu Gln Glu
 15 20 25 30
 Phe Ile Asp Ser Asp Ala Ala Ala Glu Ala Met Gly Lys Phe Lys Gln
 35 40 45
 Cys Phe Leu Asn Gln Ser His Arg Thr Leu Lys Asn Phe Gly Leu Met
 50 55 60
 Met His Thr Val Tyr Asp Ser Ile Trp Cys Asn Met Lys Ser Asn
 65 70 75

<210> 1556
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -31..-1

<400> 1556
 Met Val Ala Met Ala Ala Gly Pro Ser Gly Cys Leu Val Pro Ala Phe
 -30 -25 -20
 Gly Leu Arg Leu Leu Leu Ala Thr Val Leu Gln Ala Val Ser Ala Phe
 -15 -10 -5 1
 Gly Ala Glu Phe Ser Ser Glu Ala Cys Arg Glu Leu Gly Phe Ser Ser
 5 10 15
 Asn Leu Leu Cys Ser Ser Cys Asp Leu Leu Gly Gln Phe Asn Leu Leu
 20 25 30
 Gln Leu Asp Pro Asp Cys Arg Gly Cys Cys Gln Glu Glu Ala Gln Phe
 35 40 45
 Glu Thr Lys Lys Leu Tyr Ala Gly Ala Ile Leu Glu Val Cys Gly
 50 55 60

<210> 1557
 <211> 101

<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -32..-1

<400> 1557
Met Phe Ala Pro Ala Val Met Arg Ala Phe Arg Lys Asn Lys Thr Leu
-30 -25 -20
Gly Tyr Gly Val Pro Met Leu Leu Leu Ile Val Gly Gly Ser Phe Gly
-15 -10 -5
Leu Arg Glu Phe Ser Gln Ile Arg Tyr Asp Ala Val Lys Ser Lys Met
1 5 10 15
Asp Pro Glu Leu Glu Lys Lys Leu Lys Glu Asn Lys Ile Ser Leu Glu
20 25 30
Ser Glu Tyr Glu Lys Ile Lys Asp Ser Lys Phe Asp Asp Trp Lys Asn
35 40 45
Ile Arg Gly Pro Arg Pro Trp Glu Asp Pro Asp Leu Leu Gln Gly Lys
50 55 60
Lys Ser Arg Lys Pro
65

<210> 1558
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SIGNAL
<222> -51..-1

<400> 1558
Met Gln Ala Gln Ala Pro Val Val Val Val Thr Gln Pro Gly Val Gly
-50 -45 -40
Pro Gly Pro Ala Pro Gln Asn Ser Asn Trp Gln Thr Gly Met Cys Asp
-35 -30 -25 -20
Cys Phe Ser Asp Cys Gly Val Cys Leu Cys Gly Thr Phe Cys Phe Pro
-15 -10 -5
Cys Leu Gly Cys Gln Val Ala Ala Asp Met Asn Glu Cys Cys Leu Cys
1 5 10
Gly Thr Ser Val Ala Met Arg Thr Leu Tyr Arg Thr Arg Tyr Gly Ile
15 20 25
Pro Gly Ser Ile Cys Asp Asp Tyr Met Ala Thr Leu Cys Cys Pro His
30 35 40 45
Cys Thr Leu Cys Gln Ile Lys Arg Asp Ile Asn Arg Arg Arg Ala Met
50 55 60
Arg Thr Phe

<210> 1559
<211> 126
<212> PRT
<213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -24...-1

<400> 1559

Met	Asp	Lys	Ser	Leu	Leu	Leu	Glu	Leu	Pro	Ile	Leu	Leu	Cys	Cys	Phe
				-20					-15					-10	
Arg	Ala	Leu	Ser	Gly	Ser	Leu	Ser	Met	Arg	Asn	Asp	Ala	Val	Asn	Glu
			-5					1				5			
Ile	Val	Ala	Val	Lys	Asn	Asn	Phe	Pro	Val	Ile	Glu	Ile	Val	Arg	Cys
	10					15					20				
Arg	Met	Cys	His	Leu	Gln	Phe	Pro	Gly	Glu	Lys	Cys	Ser	Arg	Gly	Arg
25					30					35					40
Gly	Ile	Cys	Thr	Ala	Thr	Thr	Glu	Glu	Ala	Cys	Met	Val	Gly	Arg	Met
			45						50					55	
Phe	Lys	Arg	Asp	Gly	Asn	Pro	Trp	Leu	Thr	Phe	Met	Gly	Cys	Leu	Lys
			60					65					70		
Asn	Cys	Ala	Asp	Val	Lys	Gly	Ile	Arg	Trp	Ser	Val	Tyr	Leu	Val	Asn
		75					80					85			
Phe	Arg	Cys	Xaa	Arg	Ser	His	Asp	Leu	Cys	Asn	Glu	Asp	Leu		
	90					95					100				

<210> 1560
 <211> 102
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -16...-1

<400> 1560

Met	Asp	Leu	Leu	Trp	Ile	Leu	Pro	Ser	Leu	Trp	Leu	Leu	Leu	Gly
	-15				-10					-5				
Gly	Pro	Ala	Cys	Leu	Lys	Thr	Gln	Glu	His	Pro	Ser	Cys	Pro	Gly
1			5						10				15	Pro
Arg	Glu	Leu	Glu	Ala	Ser	Lys	Val	Val	Leu	Leu	Pro	Ser	Cys	Gly
		20					25					30		Pro
Ala	Pro	Gly	Ser	Pro	Gly	Glu	Lys	Gly	Ala	Pro	Gly	Pro	Gln	Gly
		35					40					45		Pro
Pro	Gly	Pro	Pro	Gly	Lys	Met	Gly	Pro	Lys	Gly	Glu	Pro	Gly	Asp
	50					55					60			Pro
Val	Asn	Leu	Leu	Arg	Cys	Gln	Glu	Gly	Pro	Arg	Asn	Cys	Arg	Glu
65					70					75				80
Leu	Ser	Arg	Ala	Pro	Pro									
					85									

<210> 1561
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL

<222> -19..-1

<400> 1561

Met	Glu	Ser	Pro	Ser	Xaa	Ser	Ala	Val	Val	Leu	Pro	Ser	Thr	Pro	Gln
				-15					-10					-5	
Ala	Ser	Ala	Asn	Pro	Ser	Ser	Pro	Tyr	Thr	Asn	Ser	Ser	Arg	Lys	Gln
			1				5					10			
Pro	Met	Ser	Ala	Thr	Leu	Arg	Glu	Arg	Leu	Arg	Lys	Thr	Arg	Phe	Ser
	15					20					25				
Phe	Asn	Ser	Ser	Xaa	Asn	Val	Val	Asn	Val	Leu	Lys				
30					35					40					

<210> 1562

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -16..-1

<400> 1562

Met	Asp	Phe	Trp	Leu	Trp	Pro	Leu	Tyr	Phe	Leu	Pro	Val	Ser	Gly	Ala
	-15					-10					-5				
Leu	Arg	Ile	Leu	Pro	Glu	Val	Lys	Val	Glu	Gly	Glu	Leu	Gly	Gly	Ser
1				5					10					15	
Val	Thr	Ile	Lys	Cys	Pro	Leu	Pro	Glu	Met	His	Val	Arg	Ile	Tyr	Leu
			20					25					30		
Cys	Arg	Glu	Met	Ala	Gly	Ser	Gly	Thr	Cys	Gly	Thr	Val	Val	Ser	Thr
		35					40					45			
Thr	Asn	Phe	Ile	Xaa	Ala	Glu	Tyr	Lys	Gly	Arg	Val	Thr	Leu	Arg	Ala
	50					55					60				
Ile	Pro	Thr	Gln	Glu	Ser	Val	Pro	Ser	Gly	Gly	Asn	Thr	Ala	Asp	Arg
65					70					75					80
Lys															

<210> 1563

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -34..-1

<400> 1563

Met	Val	Gly	Glu	Ala	Gly	Arg	Asp	Leu	Arg	Arg	Arg	Arg	Ala	Val	Ala
				-30					-25					-20	
Val	Thr	Ala	Glu	Lys	Met	Ala	Val	Leu	Ala	Pro	Leu	Ile	Ala	Leu	Val
			-15					-10					-5		
Tyr	Ser	Xaa	Pro	Arg	Leu	Ser	Arg	Trp	Leu	Ala	Gln	Pro	Tyr	Tyr	Leu
		1				5					10				
Leu	Ser	Xaa	Leu	Leu	Ser	Xaa	Ala	Phe	Leu	Leu	Val	Arg	Xaa	Leu	Pro
15					20					25					30

Pro Leu Cys His Gly Leu Pro Thr Gln Arg Glu Xaa Gly Asn Pro Ser
 35 40 45
 Xaa Xaa

<210> 1564
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -17..-1

<400> 1564
 Met Ala Gln Leu Trp Leu Ser Cys Phe Leu Leu Pro Ala Leu Val Val
 -15 -10 -5
 Ser Val Ala Ala Asn Val Ala Pro Xaa Phe Leu Ala Asn Met Thr Ser
 1 5 10 15
 Val Ile Leu Pro Glu Asp Cys Leu Trp Val Pro Arg Pro Ser Gly Trp
 20 25 30

<210> 1565
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -34..-1

<400> 1565
 Met Val Gly Glu Ala Gly Arg Asp Leu Arg Arg Arg Ala Val Ala
 -30 -25 -20
 Val Thr Ala Glu Lys Met Ala Val Leu Ala Pro Leu Ile Ala Leu Val
 -15 -10 -5
 Tyr Ser Val Pro Arg Leu Ser Arg Trp Leu Ala Gln Pro Tyr Tyr Leu
 1 5 10
 Leu Ser Ala Leu Leu Ser Ala Ala Phe Leu Leu Val Arg Lys Leu Pro
 15 20 25 30
 Pro Leu Cys His Gly Leu Pro Thr Gln Arg Glu Xaa Gly Asn Pro Cys
 35 40 45
 Asp Phe Asp Trp Arg Glu Val Glu Ile Leu Met Phe Leu Ser Ala Ile
 50 55 60
 Val Met Met Lys Asn Arg Arg Ser Ser
 65 70

<210> 1566
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -19..-1

<400> 1566

Met Val Ala Trp Arg Ser Ala Phe Leu Val Cys Leu Ala Phe Ser Leu
 -15 -10 -5
Ala Thr Leu Val Gln Arg Gly Ser Gly Asp Phe Asp Asp Phe Asn Leu
 1 5 10
Glu Asp Ala Val Lys Glu Thr Ser Ser Val Lys Gln Pro Trp Asp His
 15 20 25
Thr Thr Thr Thr Thr Thr Asn Arg Pro Gly Thr Thr Arg Ala Pro Ala
30 35 40 45
Lys Pro Pro Gly Ser Gly Leu Asp Leu Ala Asp Ala Leu Asp Asp Gln
 50 55 60
Asp Asp Gly Arg Arg Asn Arg Val
 65

<210> 1567

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -53..-1

<400> 1567

Met Ala Asp Pro Asp Pro Arg Tyr Pro Arg Ser Ser Ile Glu Asp Asp
 -50 -45 -40
Phe Asn Tyr Gly Ser Ser Val Ala Ser Ala Thr Val His Ile Arg Met
 -35 -30 -25
Ala Phe Leu Arg Lys Val Tyr Ser Ile Leu Ser Leu Gln Val Leu Leu
 -20 -15 -10
Thr Thr Val Thr Ser Thr Val Phe Leu Tyr Phe Glu Ser Val Arg Thr
-5 1 5 10
Phe Val His Glu Ser Pro Ala Leu Ile Leu Leu Phe Ala Leu Gly Ser
 15 20 25
Leu Gly Leu Ile Phe Ala Leu Xaa Leu Asn Arg His Lys Tyr Pro Leu
 30 35 40
Asn Leu Tyr Leu Leu Phe Gly Phe Thr Leu Leu Glu Ala Leu Thr Val
45 50 55
Ala Val Val Val Thr Val Leu
60 65

<210> 1568

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -55..-1

<400> 1568

Met Ser Ser Gln Lys Gly Asn Val Ala Arg Ser Arg Pro Gln Lys His
-55 -50 -45 -40

Gln Asn Thr Phe Ser Phe Lys Asn Asp Lys Phe Asp Lys Ser Val Gln
 -35 -30 -25
 Thr Lys Ser Met Asn Asn Leu Ser Phe Ser Glu Leu Cys Cys Leu Phe
 -20 -15 -10
 Cys Cys Pro Pro Cys Pro Gly Lys Ile Ala Ser Lys Leu Ala Phe Leu
 -5 1 5
 Pro Pro Asp Pro Thr Tyr Thr Leu Met Cys Asp Glu Ser Gly Ser Val
 10 15 20 25
 Gly Leu Tyr Ile Cys Leu Asn Glu Gln Thr Gly Ser Ile Leu Leu Glu
 30 35 40
 Lys Lys Met Leu Leu Ser Val Ser
 45

<210> 1569
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -62..-1

<400> 1569
 Met Arg Asn Lys Lys Ile Leu Lys Glu Asp Glu Leu Leu Ser Glu Thr
 -60 -55 -50
 Gln Gln Ala Ala Phe His Gln Ile Ala Met Glu Pro Phe Glu Ile Asn
 -45 -40 -35
 Val Pro Lys Pro Lys Arg Arg Asn Gly Val Asn Phe Ser Leu Ala Val
 -30 -25 -20 -15
 Val Val Ile Tyr Leu Ile Leu Leu Thr Ala Gly Ala Gly Leu Leu Val
 -10 -5 1
 Val Gln Val Leu Asn Leu Gln Ala Arg Leu Arg Val Leu Glu Met Tyr
 5 10 15
 Phe Leu Asn Asp Thr Leu Ala Ala Glu Asp Ser Pro Ser Phe Ser Leu
 20 25 30
 Leu Gln Ser Ala His Pro Gly Glu His Leu Ala Gln Gly Ala Ser Arg
 35 40 45 50
 Leu Gln Ser Cys Arg Pro Asn Ser Pro Gly Ser Ala Ser Xaa
 55 60

<210> 1570
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -56..-1

<400> 1570
 Met Ala Pro Thr Lys Pro Ser Phe Gln Gln Asp Pro Ser Arg Arg Glu
 -55 -50 -45
 Arg Leu Gln Ala Leu Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser
 -40 -35 -30 -25

Arg Arg Gly Lys Glu Asn Phe Glu Phe Tyr Glu Leu Ala Lys Leu Leu
 -20 -15 -10
 Pro Leu Pro Ala Ala Ile Thr Ser Gln Leu Asp Lys Ala Ser Ile Ile
 -5 1 5
 Arg Leu Thr Ile Ser Tyr Leu Lys Met Arg Asp Phe Ala Asn Gln Gly
 10 15 20
 Asp Pro Pro Trp Asn Leu Arg Met Glu Gly Pro Pro Pro Asn Thr Ser
 25 30 35 40
 Val Lys Val Ile Gly Ala Gln Arg Arg Arg Ser Pro Ser Ala Leu Ala
 45 50 55
 Ile Glu Val Phe Glu Ala His Leu Gly Ser His Ile Leu Gln Ser Trp
 60 65 70
 Met Ala Leu Tyr Leu His
 75

<210> 1571
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1571
 Met Glu Glu Leu Gln Asp Gln Ala Leu Leu Ser Val Cys Ser Thr Asp
 -20 -15 -10 -5
 Val Thr Thr Ala His Ala Trp Leu Thr Val Leu Val
 1 5

<210> 1572
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -20..-1

<400> 1572
 Met Glu Glu Leu Gln Asp Gln Ala Leu Leu Ser Val Cys Ser Thr Asp
 -20 -15 -10 -5
 Val Thr Thr Ala His Ala Trp Leu Thr Val Leu Val
 1 5

<210> 1573
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -45..-1

<400> 1573

Met	Val	Gly	Arg	Val	Arg	Val	Cys	Arg	Lys	Tyr	Pro	Pro	Thr	Thr	Leu
-45					-40					-35					-30
Trp	Glu	Gly	Ala	Arg	Gly	His	Arg	Gln	Ile	Ser	Val	Ser	Pro	Trp	Asn
			-25					-20						-15	
Ile	Cys	Cys	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gly	Ser	Arg	Ile	
			-10					-5					1		

<210> 1574

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -52..-1

<400> 1574

Met	Lys	Arg	Leu	Glu	Ala	Lys	Tyr	Ala	Pro	Leu	His	Leu	Val	Pro	Leu
		-50					-45					-40			
Ile	Glu	Arg	Leu	Gly	Thr	Pro	Gln	Gln	Ile	Ala	Ile	Ala	Arg	Glu	Gly
	-35					-30					-25				
Asp	Leu	Leu	Thr	Lys	Glu	Arg	Leu	Cys	Cys	Gly	Leu	Ser	Met	Phe	Glu
-20				-15						-10					-5
Val	Ile	Leu	Thr	Arg	Ile	Arg	Ser	Tyr	Leu	Gln	Asp	Pro	Ile	Trp	Arg
			1				5					10			
Gly	Pro	Pro	Pro	Thr	Asn	Gly	Val	Met	His	Val	Asp	Glu	Cys	Val	Glu
	15					20					25				
Phe	His	Arg	Leu	Trp	Ser	Ala	Met	Gln	Phe	Val	Tyr	Cys	Ile	Pro	Val
	30				35					40					
Gly	Thr	Asn	Glu	Phe	Thr	Ala	Glu	Gln	Cys	Phe	Gly	Asp	Gly	Leu	Asn
45			50						55					60	
Trp	Ala	Gly	Ser	Pro	Xaa	Leu	Ser	Cys	Xaa	Ala	Ser	Ser	Val	Ala	Leu
			65					70						75	
Thr	Cys	Ser	Thr	Ser	Val	Thr	Thr	Cys							
			80					85							

<210> 1575

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SIGNAL

<222> -71..-1

<400> 1575

Met	Ala	Leu	Val	Pro	Cys	Gln	Val	Leu	Arg	Met	Ala	Ile	Leu	Leu	Ser
	-70					-65					-60				
Tyr	Cys	Ser	Ile	Leu	Cys	Asn	Tyr	Lys	Ala	Ile	Glu	Met	Pro	Ser	His
-55					-50					-45					-40
Gln	Thr	Tyr	Gly	Gly	Ser	Trp	Lys	Phe	Leu	Thr	Phe	Ile	Asp	Leu	Val
			-35						-30					-25	
Ile	Gln	Ala	Val	Phe	Phe	Gly	Ile	Cys	Val	Leu	Xaa	Asp	Leu	Ser	Ser

<210> 1578
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -51..-1

<400> 1578
 Met Glu Lys Leu Arg Arg Val Leu Ser Gly Gln Asp Asp Glu Glu Gln
 -50 -45 -40
 Gly Leu Thr Ala Gln Val Leu Asp Ala Ser Ser Leu Ser Phe Asn Thr
 -35 -30 -25 -20
 Arg Leu Lys Trp Phe Ala Ile Cys Phe Val Cys Gly Val Phe Phe Ser
 -15 -10 -5
 Ile Leu Gly Thr Gly Leu Leu Trp Leu Pro Gly Gly Ile Lys Leu Phe
 1 5 10
 Ala Val Phe Tyr Thr Leu Gly Asn Leu Ala Ala Leu Xaa Val His Ala
 15 20 25
 Xaa
 30

<210> 1579
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SIGNAL
 <222> -93..-1

<400> 1579
 Met Cys Glu Asn Gln Glu Glu Pro Ala Gly Ser Val Cys Cys His Arg
 -90 -85 -80
 Val Ser Ala Cys Arg Gly Gly Thr Pro Gly Gly Gly Arg Gly Gln Ser
 -75 -70 -65
 His Cys Arg Gly Pro Asp Trp Glu Asn Asn Asp Met Ala Gly Ala Ser
 -60 -55 -50
 Leu Gly Ala Arg Phe Tyr Arg Gln Ile Lys Arg His Pro Gly Ile Ile
 -45 -40 -35 -30
 Pro Met Ile Gly Leu Ile Cys Leu Gly Met Gly Ser Ala Ala Leu Tyr
 -25 -20 -15
 Leu Leu Arg Leu Ala Leu Arg Ser Pro Asp Val Trp Leu Gly Gln Lys
 -10 -5 1
 Glu Gln Pro Gly Ala Leu Glu Pro Pro Glu Pro Gln
 5 10 15

<210> 1580
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>

<221> SIGNAL
<222> -16..-1

<400> 1580

```
Met Ala Ala Ala Gly Leu Ala Leu Leu Xaa Arg Arg Val Ser Ser Ala
  -15                -10                -5
Leu Lys Ser Ser Arg Ser Leu Ile Thr Pro Gln Val Pro Ala Cys Thr
 1                    5                    10                15
Gly Phe Phe Leu Ser Leu Leu Pro Lys Ser Thr Pro Asn Val Thr Ser
                20                25                30
Phe His Gln Tyr Arg Leu Leu His Thr Thr Leu Ser Arg Lys Gly Leu
  35                40                45
Glu Glu Phe Phe Asp Asp Pro Lys Asn Trp Gly Gln Glu Lys Val Lys
  50                55                60
Ser Gly Ala Ala Trp Thr Cys Gln Gln Leu Arg Asn Lys Ser Asn Glu
 65                70                75                80
Asp Leu His Lys Leu Trp Tyr Val Leu Leu Lys Glu Arg Asn Met Leu
                85                90                95
Leu Thr Leu Glu Gln Glu Ala Lys Arg Gln Arg Leu Pro Met Pro Ser
                100                105                110
Pro Glu Arg Leu Asp Arg
  115
```

<210> 1581

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1581

```
Met Asn Glu Ser Lys Pro Gly Asp Ser Gln Asn Leu Ala Cys Val Phe
 1                    5                    10                15
Cys Arg Lys His Asp Asp Cys Pro Asn Lys Tyr Gly Glu Lys Lys Thr
 20                25                30
Lys Glu Lys Trp Asn Leu Thr Val His Tyr Tyr Cys Leu Leu Met Ser
 35                40                45
Ser Gly Ile Trp Gln Arg Gly Lys Glu Glu Glu Gly Val Met Val Phe
 50                55                60
```

<210> 1582

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1582

```
Met Ala Val Ala Arg Ala Gly Val Leu Gly Val Gln Trp Leu Gln Arg
 1                    5                    10                15
Ala Ser Arg Asn Val Met Pro Leu Gly Ala Arg Thr Ala Ser His Met
 20                25                30
Thr Lys Asp Met Phe Pro Gly Pro Tyr Pro Arg Thr Pro Glu Glu Arg
 35                40                45
Ala Ala Ala Ala Lys Lys Tyr Asn Met Arg Val Glu Asp Tyr Glu Pro
 50                55                60
Tyr Pro Asp Asp Gly Met Gly Tyr Gly Asp Leu Phe Leu Xaa Val
 65                70                75
```

<210> 1583

<211> 66
 <212> PRT
 <213> Homo sapiens
 <400> 1583
 Met Glu Val Asp Ala Pro Gly Val Asp Gly Arg Asp Gly Leu Arg Glu
 1 5 10 15
 Arg Arg Gly Phe Ser Glu Gly Gly Arg Gln Asn Phe Asp Val Arg Pro
 20 25 30
 Gln Ser Gly Ala Asn Gly Leu Pro Lys His Ser Tyr Trp Leu Asp Leu
 35 40 45
 Trp Leu Phe Ile Leu Phe Asp Val Val Val Phe Leu Phe Val Tyr Phe
 50 55 60
 Leu Pro
 65

<210> 1584
 <211> 45
 <212> PRT
 <213> Homo sapiens
 <400> 1584
 Met Tyr Val Tyr Val Cys Val Trp Val Cys Val Tyr Thr Val Glu Ser
 1 5 10 15
 Lys Leu Glu Asn Ser Ser Ile Tyr Pro Pro Pro Ser Pro Val Glu Xaa
 20 25 30
 Lys Lys Ile Phe Thr Phe Val Thr Phe Leu Phe Pro Pro
 35 40 45

<210> 1585
 <211> 25
 <212> PRT
 <213> Homo sapiens
 <400> 1585
 Met Gly Pro Gly Gly Ala Leu His Gly Gly Met Lys Thr Leu Leu Pro
 1 5 10 15
 Trp Thr Ala Arg Ala Ser Arg Ser Pro
 20 25

<210> 1586
 <211> 98
 <212> PRT
 <213> Homo sapiens
 <400> 1586
 Met Tyr Gly Lys Gly Lys Ser Asn Ser Ser Ala Val Pro Ser Asp Ser
 1 5 10 15
 Gln Ala Arg Glu Lys Leu Ala Leu Tyr Val Tyr Glu Tyr Leu Leu His
 20 25 30
 Val Gly Ala Gln Lys Ser Ala Gln Thr Phe Leu Ser Glu Ile Arg Trp
 35 40 45
 Glu Lys Asn Ile Thr Leu Gly Glu Pro Pro Gly Phe Leu His Ser Trp
 50 55 60
 Trp Cys Val Phe Trp Asp Leu Tyr Cys Ala Ala Pro Glu Arg Arg Glu
 65 70 75 80
 Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr Val Xaa
 85 90 95

Asn Ile

<210> 1587

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1587

Met	Cys	Leu	Leu	Glu	Val	Pro	Gly	Ala	Thr	Lys	Leu	Leu	Ala	Ala	Arg
1				5					10					15	
Arg	Thr	Leu	Lys	Arg	Asn	Gly	Ile	Ser	Pro	Pro	Asn	Gln	Glu	Gly	Leu
			20					25					30		
Ala	Leu	Leu	Leu	Gly	Glu	Leu	Thr	Thr	His	Lys	Gln	Met	Arg	Thr	Lys
			35				40					45			
Thr	Glu														
	50														

<210> 1588

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1588

Met	Asn	Arg	Thr	Ala	Met	Arg	Ala	Ser	Gln	Lys	Asp	Phe	Glu	Asn	Ser
1				5					10					15	
Xaa	Asn	Gln	Val	Lys	Leu	Leu	Lys	Lys	Asp	Pro	Gly	Asn	Glu	Xaa	Ser
			20					25					30		

<210> 1589

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1589

Met	Ala	Ser	Ser	Gly	Ala	Gly	Asp	Pro	Leu	Asp	Ser	Lys	Arg	Gly	Glu
1				5					10					15	
Ala	Pro	Phe	Ala	Gln	Arg	Ile	Asp	Pro	Thr	Arg	Glu	Lys	Leu	Thr	Pro
			20				25						30		
Glu	Gln	Leu	His	Ser	Met	Arg	Gln	Ala	Glu	Leu	Pro	Ser	Gly	Arg	Arg
			35				40					45			
Ser	Tyr	His	Gly	Gly	Glu	Pro	Gly	Thr	Ser						
	50					55									

<210> 1590

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1590

Met	Ser	Ser	Asp	Asp	Lys	Ser	Lys	Ser	Asn	Asp	Pro	Lys	Thr	Glu	Pro
1				5					10					15	
Lys	Asn	Cys	Asp	Pro	Lys	Cys	Glu	Gln	Lys	Cys	Glu	Ser	Lys	Cys	Gln
			20				25						30		
Pro	Ser	Cys	Leu	Lys	Lys	Leu	Leu	Gln	Arg	Cys	Phe	Glu	Lys	Cys	Pro
			35			40					45				
Trp	Glu	Lys	Cys	Pro	Ala	Pro	Pro	Lys	Cys	Leu	Pro	Cys	Pro	Ser	Gln
	50					55				60					
Ser	Pro	Ser	Ser	Cys	Pro	Pro	Gln	Pro	Cys	Thr	Lys	Pro	Cys	Pro	Pro

65 70 75 80
 Lys Cys Pro Ser Ser Cys Pro His Ala Cys Pro Xaa Pro Cys Pro Pro
 85 90 95

Pro Glu

<210> 1591

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1591

Met Cys Gly Gly Trp Asp Pro Val Ala His Pro Cys Arg Ser Cys Pro
 1 5 10 15
 Ser His Ala Arg Arg Arg Val Phe Val Val Thr Pro Cys Cys His Leu
 20 25 30
 Phe Ser Ser Leu Cys Glu Asp Leu Asp Trp Gln
 35 40

<210> 1592

<211> 157

<212> PRT

<213> Homo sapiens

<400> 1592

Met Ala Thr Pro Pro Lys Arg Arg Ala Val Glu Ala Thr Gly Glu Lys
 1 5 10 15
 Val Leu Arg Tyr Glu Thr Phe Ile Ser Asp Val Leu Gln Arg Asp Leu
 20 25 30
 Arg Lys Val Leu Asp His Arg Asp Lys Val Tyr Glu Gln Leu Ala Lys
 35 40 45
 Tyr Leu Gln Leu Arg Asn Val Ile Glu Arg Leu Gln Glu Ala Lys His
 50 55 60
 Ser Glu Leu Tyr Met Gln Val Asp Leu Gly Cys Asn Phe Phe Val Asp
 65 70 75 80
 Thr Val Val Pro Asp Thr Ser Arg Ile Tyr Val Ala Leu Gly Tyr Gly
 85 90 95
 Phe Phe Leu Glu Leu Thr Leu Ala Glu Ala Leu Lys Phe Ile Asp Arg
 100 105 110
 Lys Ser Ser Leu Leu Thr Glu Leu Ser Asn Ser Leu Thr Lys Asp Ser
 115 120 125
 Met Asn Ile Lys Ala His Ile His Met Leu Leu Glu Gly Leu Arg Glu
 130 135 140
 Leu Gln Gly Leu Gln Asn Phe Pro Glu Lys Pro His His
 145 150 155

<210> 1593

<211> 119

<212> PRT

<213> Homo sapiens

<400> 1593

Met Glu Ala Ser Ala Leu Thr Ser Ser Ala Val Thr Ser Val Ala Lys
 1 5 10 15
 Val Val Arg Val Ala Ser Gly Ser Ala Val Val Leu Pro Leu Ala Arg
 20 25 30
 Ile Ala Thr Val Val Ile Gly Gly Val Val Ala Val Pro Met Val Leu
 35 40 45

Ser Ala Met Gly Phe Thr Ala Ala Gly Ile Ala Ser Ser Ser Ile Ala
50 55 60
Ala Lys Met Met Ser Ala Ala Ala Ile Ala Asn Gly Gly Gly Val Ala
65 70 75 80
Ser Gly Ser Leu Val Ala Thr Leu Gln Ser Leu Gly Ala Thr Gly Leu
85 90 95
Ser Gly Leu Thr Lys Xaa Ile Leu Gly Ser Ile Gly Ser Ala Ile Ala
100 105 110
Ala Val Ile Ala Arg Phe Tyr
115

<210> 1594

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1594

Met Tyr Ile Gln Cys Cys Glu Trp Leu Gln Ser Trp Arg Ser Lys Asp
1 5 10 15
Glu Phe Cys Leu Glu Glu Ser Gly Lys Ala Ser Trp Arg Arg Glu Gln
20 25 30
Trp His Gly Pro Xaa Xaa Val Arg Ser Phe Gln Phe Ile Pro Phe Lys
35 40 45
His Cys Ser His Val Ala Phe Lys His Ser Ile Val Leu Ala Val Thr
50 55 60
Gln Ala His Ser Ala Lys Gly Ser Thr Ser Phe Ser Ala Met Arg Thr
65 70 75 80
Tyr

<210> 1595

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1595

Met Val Gly Val Ser Val Cys His His Ile Arg Val Gly Ile Lys Arg
1 5 10 15
Arg Lys Ala Ala Leu Leu Glu Leu Cys Gly Leu Leu Gln Val Arg Val
20 25 30
Ala Gly Asn Arg Thr Thr Leu Leu Glu Glu Lys Arg Asn Ser Phe
35 40 45
Ser Ala Xaa Thr Arg Lys Ala Val Phe Phe Ser Gly Asp Leu His Phe
50 55 60
Ser
65

<210> 1596

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1596

Met Pro Ser Arg Thr Ala Arg Tyr Ala Arg Tyr Ser Pro Arg Gln Arg
1 5 10 15
Arg Arg Arg Met Leu Ala Asp Arg Ser Val Arg Phe Pro Asn Asp Val
20 25 30
Leu Phe Leu Asp His Ile Arg Gln Gly Asp Leu Glu Gln Val Gly Arg

	35					40				45					
Phe	Ile	Arg	Thr	Arg	Lys	Val	Ser	Leu	Ala	Thr	Ile	His	Pro	Ser	Gly
	50					55					60				
Leu	Ala	Ala	Leu	His	Glu	Ala	Val	Leu	Ser	Gly	Asn	Leu	Glu	Cys	Val
65					70					75					80
Lys	Leu	Leu	Val	Lys	Tyr	Gly	Ala	Asp	Ile	His	Gln	Arg	Asp	Glu	Ala
				85					90					95	
Gly	Trp	Thr	Pro	Leu	His	Ile	Ala	Cys	Ser	Asp	Gly	Tyr	Leu	Thr	
			100					105					110		

<210> 1597

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1597

Met	Ala	Trp	Gly	Gly	Trp	Gly	Ala	His	Ser	Ala	Cys	Ser	Glu	Glu	Arg
1				5					10					15	
Ala	Thr	Arg	Pro	Val	Glu	Gly	Ala	Tyr	Ser	Gly	Arg	Trp	Gly	Gln	Ala
			20					25					30		

Gln

<210> 1598

<211> 113

<212> PRT

<213> Homo sapiens

<400> 1598

Met	Asp	Pro	Asn	Pro	Arg	Ala	Ala	Leu	Glu	Arg	Gln	Gln	Leu	Arg	Leu
1				5					10					15	
Arg	Glu	Arg	Gln	Lys	Phe	Phe	Glu	Asp	Ile	Leu	Gln	Pro	Glu	Thr	Glu
			20					25					30		
Phe	Val	Phe	Pro	Leu	Ser	His	Leu	His	Leu	Glu	Ser	Gln	Arg	Pro	Pro
		35					40					45			
Ile	Gly	Ser	Ile	Ser	Ser	Met	Glu	Val	Asn	Val	Asp	Thr	Leu	Glu	Gln
	50					55					60				
Val	Glu	Leu	Ile	Asp	Leu	Gly	Asp	Pro	Asp	Ala	Ala	Asp	Val	Phe	Leu
65					70					75					80
Pro	Cys	Glu	Asp	Pro	Pro	Pro	Thr	Pro	Gln	Ser	Ser	Gly	Val	Asp	Asn
				85					90					95	
His	Leu	Glu	Glu	Leu	Ser	Leu	Pro	Xaa	Ala	Tyr	Ile	Arg	Gln	Asp	His
			100					105					110		

Ile

<210> 1599

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1599

Met	Val	Val	Phe	Gly	Tyr	Glu	Ala	Gly	Thr	Lys	Pro	Arg	Asp	Ser	Gly
1				5					10					15	
Val	Val	Pro	Val	Gly	Thr	Glu	Glu	Ala	Pro	Lys	Asp	Thr	Lys	Tyr	Ile
			20					25					30		
Ser	Asn	Gly	Asp	Ile	Trp	Asn	Asn	Ser	Trp	Phe	Leu	Trp	Asn	Ile	Leu
		35					40					45			

Lys Leu Pro Val Gln Thr Leu Leu Gln Gly

50

55

<210> 1600

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1600

gaaaattact	ttgacctttt	gtagtgatc	ccattcagct	agtaccaagc	tgaagattga	60
tattcgtaa	tggttaatat	aaatttactg	ctctagggtta	agcctaacat	atgtaattgc	120
tactagccta	ttacttttta	gtccattggg	aatcactaaa	aaaagtagag	gcttttagctt	180
cattcctcgg	ctgcttaaat	catattgtaa	tgttttaaat	tgttatgtcg	tcctgtataa	240
ccttagg						247

<210> 1601

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1601

aaaattattt	tgagacaaaa	catgggaaaag	gagggagttg	gccaggagtt	tatcatgaag	60
catatacagg	agtcaccccc	tacgttgaca	ctggtaagtt	gacttcagtc	acatgaaaca	120
tgtcaccttt	ccataaatac	tccattccct	tttgtagattt	tgttctttgc	acatgttggt	180
ctatctctgc	ctggaatgtg	ttctccacct	tttgattgtc	tgcca		225

<210> 1602

<211> 258

<212> DNA

<213> Homo sapiens

<400> 1602

gtgaccacag	tctgcagagg	ccagagagag	caggaaagga	aatggaaagg	aacctcacct	60
tcattgcttg	ggaaaaggag	aaacctgtgt	taatgtgtct	tccaacatc	ccactctctt	120
cagcaatcgc	tggaacagcc	atgggccatc	cctgctgagt	caggaaagaa	gctgagggaa	180
gagtcgggat	tgaaaagcag	cagacaaggg	aaatgtggac	acaagcacat	gaagagaaca	240
ccatgtgaac	ataaagat					258

<210> 1603

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1603

aaggttactt	gactgggagt	tctcagacct	ccagtttcag	ccctgccctc	agcctccaat	60
ccgtaagaga	yacccagccc	cagcaattgg	attgggcagc	ccgtcttgac	acaccactgt	120
gctgagtgt	tgaggacgtg	tttcaacaga	tggttggggt	tagtgtgtgt	catcacattc	180
gagtggggat	taagagaagg	aaggctgcct	tgctggagct	gtgtggtctt	ctccaagtga	240
gagtcgcagg	caatagaact	actttgcttt	tgaggaaaa	ggaggaattc	attttcagca	300
gacacaagaa	aagcagtttt	tttttcaggt	gctgacggcc	a		341

<210> 1604

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1604

cactggcgcg	ggttgagttc	cctgttgccc	ttggtctcgg	ggtcgctgtm	ggcgctgagg	60
ctgcagctat	catggtgaac	ttacttcaga	ttgtgcggga	ccactgggtt	catgttcttg	120
tccctatggg	atttgtcatt	ggatgttatt	tagacagaaa	gagtgatgaa	cggctaactg	180

ccttccggaa	caagagtatg	ttattttaaaa	gggaattgca	acccagtgaa	gaagttacct	240
ggaagtaaa	actggctaga	ttatcgaatg	ttcacatttt	aaagtctga	ga	292

<210> 1605

<211> 357

<212> DNA

<213> Homo sapiens

<400> 1605

ctgctctaag	ctgcagcaag	agaaactgtg	tgtgagggga	agaggcctgt	ttcgctgtcg	60
ggtctctagt	tcttgacgc	tctttaagag	tctgcactgg	aggaactcct	gccattacca	120
gctcccttct	tgcagaagg	agggggaaac	atacatttat	tcatgccagt	ctgttgcatg	180
caggcttttt	ggcttcctac	cttgcaacaa	aataattgca	ccaactcctt	agtgccgatt	240
ccgcccacag	agagtcctgg	arccacagtc	ttttttgctt	tgcatgttag	gagagggact	300
aagtgcctaga	gactatgtcg	ctttcctgag	ctaccgagag	cgctcgtgaa	ctggaat	357

<210> 1606

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13

<223> n=a, g, c or t
Oligonucleotide

<400> 1606

attccctacc	cancagccct	cgcgcggtcc	ggcacagcgg	acaccaggac	tccaaaatgg	60
cgtcagttgg	tgagtgtccg	gccccagtac	cagtgaagga	caagaaactt	ctggagggtca	120
aactggggga	gctgccaagc	tggatcttga	tgcggractt	cagtcctagt	ggcattttcg	180
gagcgtttca	aaraggttac	accggtacta	caacaagtac	atcaatgtga	agaaggggag	240
catctcgggg	attaccatgg	tgctacccta	ccacacattc	gaagaaccgg	tat	293

<210> 1607

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 323

<223> n=a, g, c or t
Oligonucleotide

<400> 1607

tggtgtcttt	atcagactta	cattgcctct	gtgaatatca	gccttgggtct	actccaagtg	60
caggacaaac	acaaagaact	ctctgcacag	ttcattactc	cattaggtgg	ttcagatgca	120
attccagccc	ttagtcaggt	tctttccagt	gtcctcaaac	acagtaagga	gagtgtctta	180
agtgactctt	tgtgtctcac	acaatctctt	gggttcccag	gtcactggtg	tagtagccag	240
ctgcatccaa	gaagccaggt	gagcctgtgc	caccaatcac	agatactcct	taccaaccat	300
ctgccaaccc	atgccagccc	tgntgcccac	ggatgtgcgg	ctgtccatgt	gccacgccca	360
c						361

<210> 1608

<211> 305
 <212> DNA
 <213> Homo sapiens
 <400> 1608
 aagacggaag ctcggttgat gtttctgcag aagttttccc ccttggtcgg tggcggastg 60
 ctgagcgcga tagtagcagc tccggcggca gcaacattga ctacgaggaa tggcggcggc 120
 tgccgcagga cctgcagcat cccagagggtg cagattttaa tttcagtgac tgaattaaaa 180
 ggtgtcaaga agctcgaatg gtatgtaggt ctcccatggt atttcaattt aaaaagaagt 240
 aagcacttga aatttttttg ttttaagcaaa tttgttttta cctttataat ttatttttaa 300
 taata 305

<210> 1609
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 152
 <223> n=a, g, c or t
 Oligonucleotide

<400> 1609
 aatctggtct ttctgtagac ccaagtcaga aggaaccatt tgtggagtta aatagaatat 60
 tagaggcatt aaaggtcaga gttctgagac ctgctctgga gtgggcagtg tcaaaccggg 120
 aaatgcttat agctcaaaca gctccttgga anttaagcta cacagactgt attttattag 180
 cttgttaatg ggtggaacca caaatcagcg agaggcatta caatatgcta aaaattttca 240
 gc 242

<210> 1610
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 1610
 ggaagcgatt tcatagccac ggtttttggc tttcatcgct ttttctacat gtttttagcc 60
 tcaccagaag tctttcatct cggtggtcca actcaggatc tcagcctcat tattttctta 120
 cccttctgga gtgcatatgt gcctttacag ttctgtttgc aaacgctgtc tagcatacta 180
 agaggatggt agcaaa 196

<210> 1611
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 1611
 atattgaata agcgacccgg cctcctaggg ggtcgtcgtg gtgcagacag tttagcagaa 60
 cagcctccgc ggctccgggg agaaggtgag gtcttgatg gatgggaagg gtgaggtgcg 120
 tcggccagag gcttatttat tgacgggact gtttcctttg gccacgcga cgtagcttct 180
 gttgtccttg actgggcgcg gcctcccgcg ccgcccgcctc ggaagccc 228

<210> 1612
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 108
 <223> n=a, g, c or t
 Oligonucleotide

<400> 1612
 tatttttagag atggaacaaa gagaacacat agatattcaa taattttactc aaaagtctgt 60
 gaggagccct agaaagaaat tcaggtctcc tatgtactga tcacagcnca gaaccccagg 120
 aagccagagg tggtccaccc caatccttca ccctcacccc acatcatggt ggcccctggg 180
 acctggatgg aaaacctctg gcwtcctggg gttctgggct g 221

<210> 1613
 <211> 360
 <212> DNA
 <213> Homo sapiens
 <400> 1613

agttgcctgc agagcctgag gtcagggaag gtctcagatg gttcatacct tgggtgtatac 60
 atgagttcat aggcctggga ttaaggatta tccctgcaat cttgcctgcc ttgcagataa 120
 gctactttct gaatcctaaa gcgctcttcc agctttcaca tttgattccg tggcagaagg 180
 ctcacagcct cacaaaagtgg agacaggcag acagtcccac ctcatttcaa ctccagagtt 240
 ggggaacgtg ctgggggtgc tcagccagag cctctcagcc aggccttgtg aggcagaggg 300
 atccttacca ggcagatggt ctggaggaga ggcagaccgg gagaaagcat agtgtgccag 360

<210> 1614
 <211> 171
 <212> DNA
 <213> Homo sapiens
 <400> 1614

cagtaaggta gcaggattca aattatTTTT tccagtattg acatttagaa tgtcatgttg 60
 gacatttaaa atTTTTctgg ttgtagcctc attactgtat agaaatcaac taccagatga 120
 gtagttgaca gacacagcta gcttggttgc ttgcttgctg ttcttgccgc c 171

<210> 1615
 <211> 193
 <212> DNA
 <213> Homo sapiens
 <400> 1615

acatcttttag tagagacggg caatccaccc gcctcggctc ccagagtact gggatgacag 60
 gcgtgagcac cacgtccggc cacaaaagag cttttagtga cacggtgaca gccacatggt 120
 gcacccggaa gaacaagggg cctgaagtta gttagaccct ccttgctggt tctaccacag 180
 tcgcacgccc cac 193

<210> 1616
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 99
 <223> n=a, g, c or t
 Oligonucleotide

<400> 1616
atggttgga tcatattcag caggagtaag ctgactaact tacaaaaaca ggtgtgtgct 60
catattgtcc aagctattcg catggaagct accagagtno gtgaagaatg ggaacatgct 120
atatcaagca aagaaaatgc caattctcag ccaaagatg aagatgcctc ctctgatgcc 180
tactgctttg agctgctctc tatggtttta gcaactgagt gctctaactg tggccggcaa 240
tatctggctc aacagctaac cctgcttcag gatctcttcc gctgcttcac acagcctctc 300
ctagagtcca gagacaggta cctctttact agaagagttt gctgaagta 349

<210> 1617

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1617

atacacatat ccatggtttg tgagaggctc ctactacccc gtctgtgtctc agaatgtcag 60
aatgccctgt ttccttcctt tttgtggaca agtcaactct atacaatatt tgaagggatt 120
attctgaacc catctgaatg accaaggcct gaggc 155

<210> 1618

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1618

cttgaaatgg gctgagtcac tcttgctcac ccttgacttg gaaaaaccag tttctctttt 60
attgtctgtt actaatctct attctaaaaa ttcagctcaa ttctcaacca tactccaaac 120
tctctctttt ccagctacct ttactccctc tcttcaatt ccactttcct ctgcttactt 180
ttttt 185

<210> 1619

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1619

ggcgcaatg gcggatacgc tggagtcctc gctggaggac ccactgcgga gtttgtgcga 60
gttttgagga agcgggatgg tacagtgcga cgactacagc agtatagctc cgggtggcgtg 120
ggtgcgttgt gtgggacgct gccattgtcc tttctaaata cctggaaac 169

<210> 1620

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 122

<223> n=a, g, c or t
Oligonucleotide

<400> 1620

cagaggtttt gttttcttca taatttttat cactatctga attattttga ttctttgttt 60
atttgtgcat ttcacgttgt ttcctatatt ccgttcaatg taagctctat gagaccaaga 120
anstgggcag ttttattcac cataagtatt ccaagcccta gtggttcttg gcacattttg 180
tattcacaat aaatatttgt taagtcaatg accagatgaa tggcttttaa actcaagata 240
gttttt 246

<210> 1621

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1621

agtctagggg	aaagtcattca	gtggatgtga	tcttggtctca	caggggacga	tgtcaagctc	60
ttcctggctc	cttctcagcc	ttgttgctgt	aactgctgct	cagtccacca	ttgaggaaca	120
ggccaaagac	atTTTTtgac	aagtttaacc	acgaagccga	agacctgttc	tatcaaagtt	180
cacttgcttc	ttggaattat	aacaccaata	ttactgaaga	gaatgtccaa	aacatgaata	240
atgctggggg	caaatggtct	gcctttttaa	aggaacagtc			280

<210> 1622

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 43

<223> n=a, g, c or t
Oligonucleotide

<400> 1622

agggagggac	agagagcgaa	ctgtcagatc	ggagcgagag	cgngcgcccg	agagagggag	60
agagagagag	ggaggggagag	gaaaagttag	agaggggaaag	agagcgcgaa	cgagggcgca	120
gagcgagctc	ctgctgcaac	tctgtctccag	cacggccagc	gccagcgccc	gccgtcggtg	180
cactctacga	gccgtgcagc	gtgcccactg	gagttgttgt	gtatcaagga	tcgatccccct	240
atatgcacac	acacacctcc	acctccacca	atgcactctt	cttcctcctc	cttctccaga	300
caactgctgg	gaaaaaaaata	aaacaccaac	cccaaccgtc	agcaacaagg	taasmgagcg	360
attcgacatc	atTTTTtttc	ctgttcaatt	ttttccttgt			400